USER MANUAL

DVR

Digital Video Recorder

Contents

Safety Instruction 1
Chapter 1: DVR Features 1
Chapter 2: Layout 2
2.1 Front Panel 2
2.2 Rear Panel 4
2.3 Remote Controller 5
Chapter 3: DVR Installation 6
3.1 HDD Installation 6
3.2 Camera and Monitor Connection 6
3.3 Power Supply connection 6
Chapter 4: DVR Start up 7
4.1 System Initialization 7
4.2 Live screen 7
Chapter 5: DVR Menu 7
5.1 Pop-up Menu 7
5.1 Main Menu Guide 8
5.2 Main menu 9
5.2.1 Display setup 9
5.2.2 Record setup 9
5.2.3 Network Setup 10
5.2.4 Record Search 12
5.2.6 Device Management 14
5.2.7 System 18
5.3 Menu Lock 20
5.4 Split mode 20
5.5 PTZ Control 21
5.6 PIP Mode 22
5.7 Video Search 22
5.8 Mute 22
5.9 Record 22
5.10 Stop Record 22
5.11 Start Sequence 22
5.12 Start Cruise 22
5.13 Playback Player 22
Chapter 6: Web Application Manager 25
6.1 Plug-ins download and installation 25
6.2 Web Client Log-in 25
6.3 Web Client Interface 26
6.3.1 Menu Bar 26
6.3.2 PTZ Control 33
6.3.3 Play Control 34
Chapter 7: Specifications 35
Chapter 8: Appendix 36
8.1 Operation Function Table 36

8.2 Record Alarm setting..... 37
8.3 Mail box server List 38
8.4 Troubleshooting..... 38
8.5 System Configuration 39
8.6 Accessory..... 39

Safety Instruction

1. Read Instruction

All the safety and operating instruction should be read before the equipment is operated.

2. Power sources

This equipment should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power, please consult your equipment dealer.

3. Objects and Liquid

Never push objects of any kind through openings of this equipment and / or spill liquid of any kind on the equipment as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock.

4. Water and / or Moisture

Do not use this equipment near water or in contact with water.

5. Heat sources

Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifier) that produce heat.

6. Cleaning

Unplug this equipment from the wall outlet before cleaning it. Do not use liquid aerosol cleaners. Use a damp soft cloth for cleaning.

7. Lightning

Unplug this equipment during lightning storm or when unused for long periods of time.

8. Accessories

Do not place this equipment on an unstable cart, stand or table. When a cart is used, use caution when moving the cart / apparatus combination to avoid injury from tip-over.

9. Moving

Disconnect the power before moving the equipment. And the equipment should be moved with care.

10. Attachment

Never add any attachments and/or equipment without the approval of the manufacturer as such additions may result in the risk of fire, electric shock and other personal injury.

11. Correct Batteries

Risk of explosion occurs if battery is replaced by an incorrect type. Therefore you must use the same type of battery as the one being used in the product.

12. Ventilation.

Do not block any ventilation openings, installation of the equipment in the rack should be such that the amount of airflow required for safe operation of the equipment is not compromised.

13. Overloading

Do not overload wall outlets and extension cords to avoid the risk of fire or electric shock.

14. Reliable Earthlings (Grounding)

Reliable grounding of rack mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit.

Chapter 1: DVR Features

Function	Brief and Description
Real time monitoring	Double video output; with monitor, VGA virtual output port or HDMI Output; Support net-viewer and MP live surveillance, ZOOM IN/OUT, dwell time display and PIP display.
Record	H.264 video compression format; recording quality/resolution/frame rate adjustable, multiple record modes (Always, Scheduled, Manual, Alarm, Motion detection and remote record)
Record storage	Support SATA large capacity HDD and save real-time record image to HDD.
Playback	Support DVR single CH and multiple CH Search/Playback of recorded files.
Backup	Support DVR backup via USB flash drive, removable drive, Recorder and network.
Alarm Setting	Supports HDD & video input alarm management and external alarm signal inputs.
Network operation	Supports remote surveillance by authority users to increase system security.
Mouse Operation	Supports Mouse operation for faster menu navigation.
PTZ Control	Supports PTZ camera operations through RS-485.

List 1-1

Other Features：

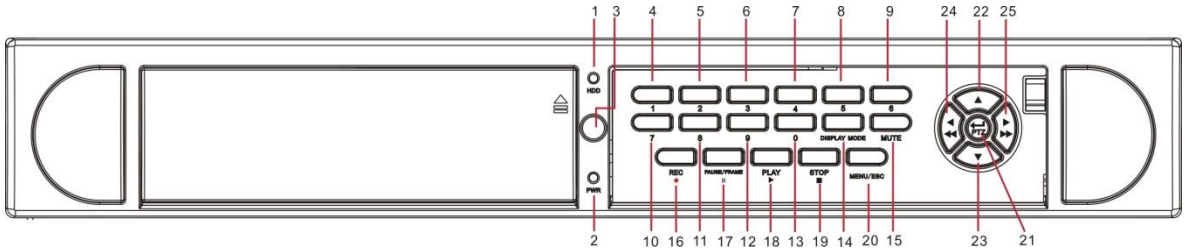
- H. 264 video compression format; supports D1 resolution;
- ADPCM audio compression format
- Windows Graphical interface; embedded real-time Linux2.6 operation system.
- Friendly Menu reminder;
- Multiple operation modes (Preview, record, playback, backup, network surveillance and mobile phone monitoring)
- Supports Double Encode bit network transmission
- Supports remote live surveillance via 3G mobile networks
- Supports zoom in / out and dwell time display
- The video package time is adjustable
- Multiple alarm record modes
- Rear USB2.0 ports for back-up, update and mouse operation.
- With IR remote control operation
- Multiple language OSD
- Supports auto maintenance

Chapter 2: Layout

2.1 Front Panel

DVR is a short form of Digital Video Recorder.

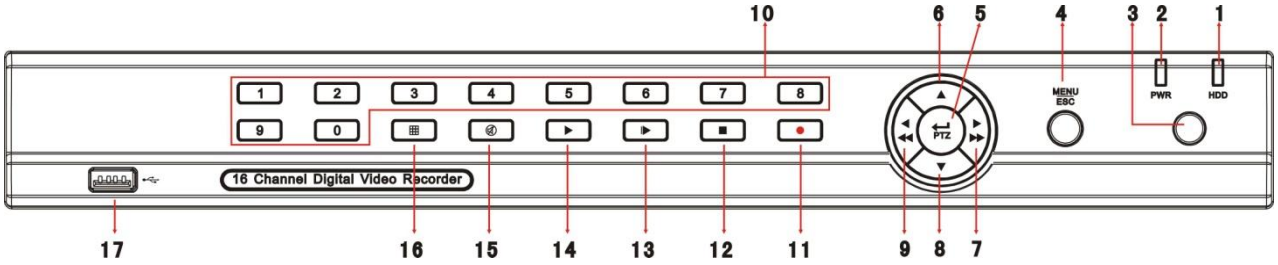
Front Panel 1



Item	Type	Key title /Indicator	Marks	Function	
1	Indicator	HDD indicator	HDD	When the “Red” indicator flashes it means the hard drive is being read or written to.	
2		Power indicator	PWR	If the “Green” indicator is on the system is getting power normally.	
3	IR Receiver		●	Receives IR signal from Remote Control	
4	Channel Select & numeric input	Single Channel display and numeric key	1	CH-1; Numeric key 1	CH11-CH16 select method: press firstly numeric key 1 and then other numeric key. Such as CH16 display, firstly press 1, and then press 6. Note: Holding to press key 0 for three seconds may convert current output device
5			2	CH-2; Numeric key 2	
6			3	CH-3; Numeric key 3	
7			4	CH-4; Numeric key 4	
8			5	CH-5; Numeric key 5	
9			6	CH-6; Numeric key 6	
10			7	CH-7; Numeric key 7	
11			8	CH-8; Numeric key 8	
12			9	CH-9; Numeric key 9	
13			0	CH-10:Numeric key0	
14	Display	Multiple CH display	Display Mode	Live Quad display, 9-split display and 16-split display	
15	Audio control	Mute key	MUTE	Open or close audio input/output	
16	Rec.	Manual record	●	Press the button to start manual record.	
17	Play Control	Pause	PAUSE/FRAME	⏸ Pause / play frame by frame	
18		Play	PLAY	Convert to play status	
19		Stop	STOP ■	Stop playing record	
20	Complex Key	Menu	MENU/ESC	Enter into main menu / Exit	
21		PTZ	PTZ	Enter into PTZ control, select [Enter] / [Edit] operation	
22	Direction Key	UP	▲	Move up	
23		DOWN	▼	Move down	
24		LEFT	◀ /◀◀	Move left / RWD	
25		RIGHT	▶ /▶▶	Move right / FWD	

List 2-1

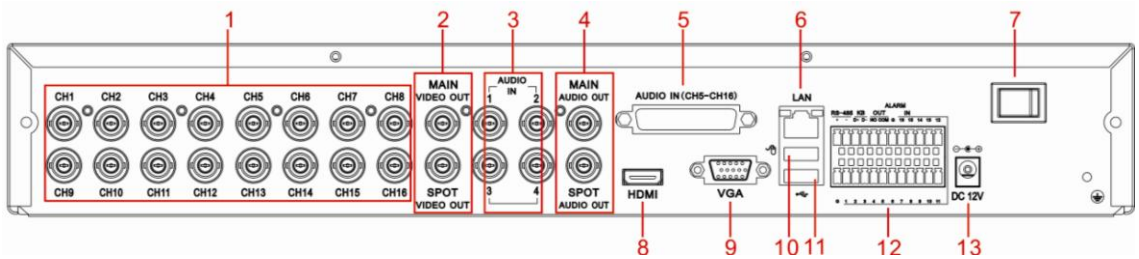
Front Panel 2



Item	Type	Key title /Indicator	Marks	Function
1	Indicator	HDD indicator	HDD	When the “Red” indicator flashes it means the hard drive is being read or written to.
2		Power indicator	PWR	If the “Green” indicator is on the system is getting power normally.
3	IR Receiver		●	Receives IR signal from Remote Control
4	Complex Key	MENU	MENU/ESC	Enter into main menu / Exit
5		PTZ	PTZ	Enter into PTZ control, select [Enter] / [Edit] operation
6	Direction Key	UP	▲	Move up
7		RIGHT	▶ / ▶▶	Move right / FWD
8		DOWN	▼	Move down
9		LEFT	◀ / ◀◀	Move left / RWD
10	Channel Select & numeric input	Single Channel display and numeric key	1~0	CH-1；Numeric key 1~ CH-0:Numeric key0
11	Rec.	Manual record	●	Press the button to start manual record.
12	Play Control	Stop	■	Stop playing record
13			▮▶	Play Frame bu frame
14		Play	▶	Playback and backup
15		Mute	🔇	Open or close Audio
16		Display	▦	Multiple display
17		USB		USB Port

List 2-2

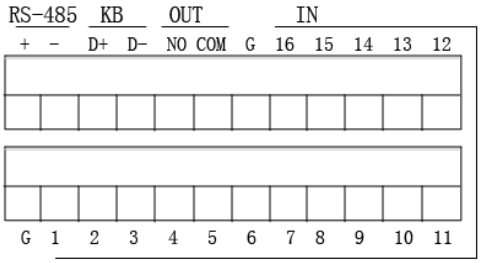
2.2 Rear Panel



Item	Physical port	Connection method
1	Video input	Connect CH1-16 (Virtual) video input (BNC interface)
2	Video output	(UP) Main video output; (Down) Spot output (BNC interface)
3	Audio input	Connect CH1-4 audio signal input (BNC interface)
4	Audio output	Connect audio signal output, including spot main audio output and sequence audio output (BNC interface)
5	Audio input	Connect (CH5~CH16) Audio input
6	Ethernet: Port	Connect LAN, Ethernet (RJ45 interface)
7	Power Switch	Turn Power on and off
8	HDMI (optional)	HDMI Output
9	VGA Port	Connect to VGA monitor, such as PC monitor
10	USB Port	Connect USB mouse
11	USB Port	Connect USB device (Flash Drive, Hard Drive and Recorder etc)
12	RS-485/Sensor/Alarm	RS485/Sensor/Alarm interface (see pin outs below)
13	Power Port	Connect power supply - DC12V 5A

List 2-2

RS485/Sensor/Alarm port functions:

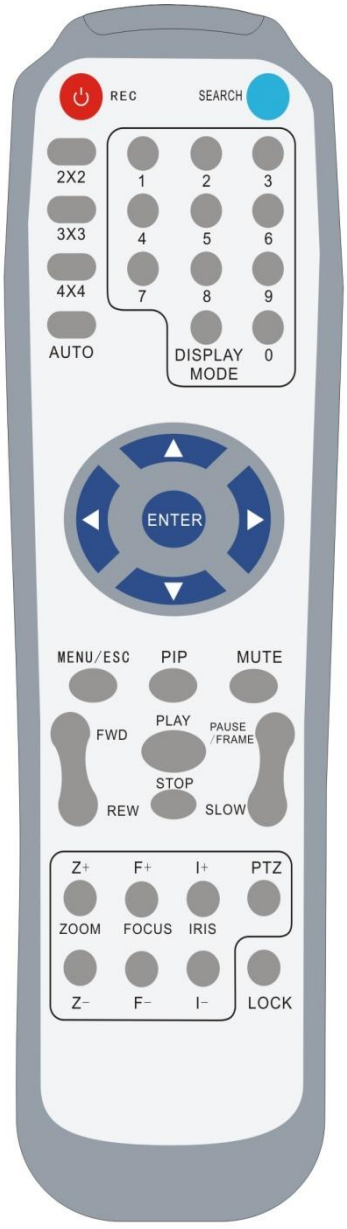


Alarm input: Connect [-] port of your sensor to G (GND) pin, and [+] port to channel input according to the alarm device you purchased.

Alarm output: Connect to the two ports marked with “out”

PTZ Port： Connect your camera to RS-485A and RS485B accordingly.

2.3 Remote Controller



Key Title	Key Function
REC	Press the button to enter into manual record.
SEARCH	Press the button to enter into record search menu
2×2	Enter into Quad display
3×3	Enter into 9-split display
4×4	Enter into 16-split display
AUTO	Enter into dwell time display
0~9	Channel select; numeric key
DISPLAY MODE	Multiple CH display (Quad, 9-split, 16-split and full screen display）
▲	Up direction key
▼	Down direction key
◀ / ▶	Left/right direction key; also decrease/increase parameter value of control bar.
ENTER	select [Enter] / [Edit] operation
Menu/ESC	Enter into/exit Main menu
PIP	PIP display mode
MUTE	Mute key
FWD	Forward（x2、x4、x8）
REW	Rewind（x2、x4、x8）
PLAY	Enter into record search, play record event
STOP	Stop play / manual play
PAUSE/ FRAME	Pause / play frame by frame
SLOW	（1/2、1/4、1/8）Slow play
Z+	Zoom out video area
Z-	Zoom in video area
F+	Extend focus
F-	Extend focus
I+	Increase PTZ brightness
I-	Decrease PTZ brightness
PTZ	Allow you set preset bit and control PTZ.
LOCK	Lock system

List 2-3

Mouse Operation

Except using buttons of front panel or remote controller, you also can use mouse to perform system operation.

TYPE	Function
Click left key of Mouse	In menu lock mode, Enter into pop-up menu and clicking any sub menu to pop up Log-in window; on menu unlock mode, enter into pop-up menu, and then clicking left key to enter into any sub menu directly.
	After entering into main menu, clicking left key could enter into any sub menu; On [Detailed file] menu mode, clicking left key could playback one recording file.
	Change the status of check box and motion detection area.
	Clicking combo box to access pull-down menu; Click left key to stop dwell time display when dwell time display is activated.
	By clicking left key you can adjust Color control bar and volume control bar.
	Clicking combo box to access pull-down menu
	By clicking left key you can select values in edit boxes or pull-down menu and supports Chinese word input, special symbol, numeric and character input, use instead of [Enter- ↵] or [Backspace ←]
Click right key of Mouse	In live display mode, clicking right key will display pop-up menu (shown as Picture 5-1).
	In Main menu or sub menu mode, clicking right key will exit current menu.
Double-click Left key of Mouse	In live display or playback mode, double-clicking left key will maximize the screen.
Moving Mouse	Select menu item
Sliding Mouse	On motion mode, sliding mouse will select motion area; On [Color set] menu mode, sliding mouse will adjust color control bar and volume control bar.

List 2-4

Chapter 3: DVR Installation

3.1 HDD Installation

Caution：*Please do not Install or take out hard drive when DVR is running!

*Some models have a HDD drawer. Please use provided key to take out the HDD drawer and put HDD into the drawer correctly.

(1) Remove screws and open DVR upper cover carefully;

(2) Insert Power Cord and data cable into Pin of hard drive securely;

(3) Fix the HDD to rack mount with the screws;

(4) Put the upper cover back carefully, re-attach screws.

3.2 Camera and Monitor Connection

Connect camera cable to video input of DVR, and from video output of DVR to Monitor via BNC connector (Refer to section2.2-Rear Panel); or

If the camera is a PTZ speed dome, you could connect RS485 A & B to the according port of DVR respectively (refer to system figuration on Chapter 8).

3.3 Power Supply Connection

Please only use the power adapter supplied with the DVR

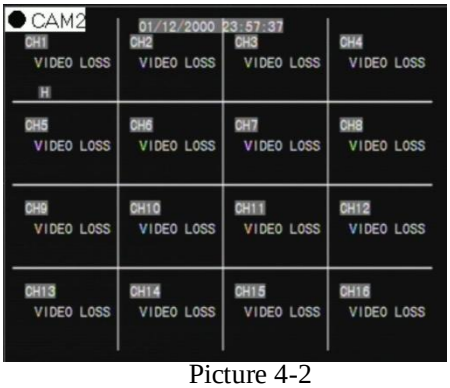
Chapter 4: DVR Start up

4.1 System Initialization

Picture 4-1

After connecting the Power cable of DVR to wall outlet and pressing the Power button on the front panel, you will enter into the system initializing screen shown as Picture 4-1

4.2 Live screen



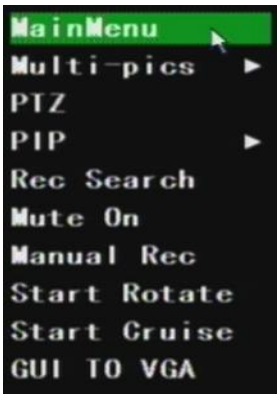
Picture 4-2

After finishing initialization the system will enter into Live screen. Picture 4-2 is the 16-split display defaulted by system, which is showing no video input status. Once there are video inputs, the screen will display live images from the cameras. In Live mode, if you use the mouse to double-click the live image of any channel, the image will be maximized to full screen, by double-clicking again, image will be come back to 16-split display mode; clicking the right button of the mouse will enter into Pop-up Menu; clicking the left button of the mouse allows you select menu items; and clicking any area outside the menu allows you exit the Pop-up menu.

Note: When internal HDD is not connected or an error occurs, the character “H” will appear on the first channel of the live screen and accompany buzzer alarm. If you want to close the buzzer alarm, please enter into [Device manage→Alarm setting] to set HDD loss, HDD space not enough and alarm output to “off”.

Chapter 5: DVR Menu

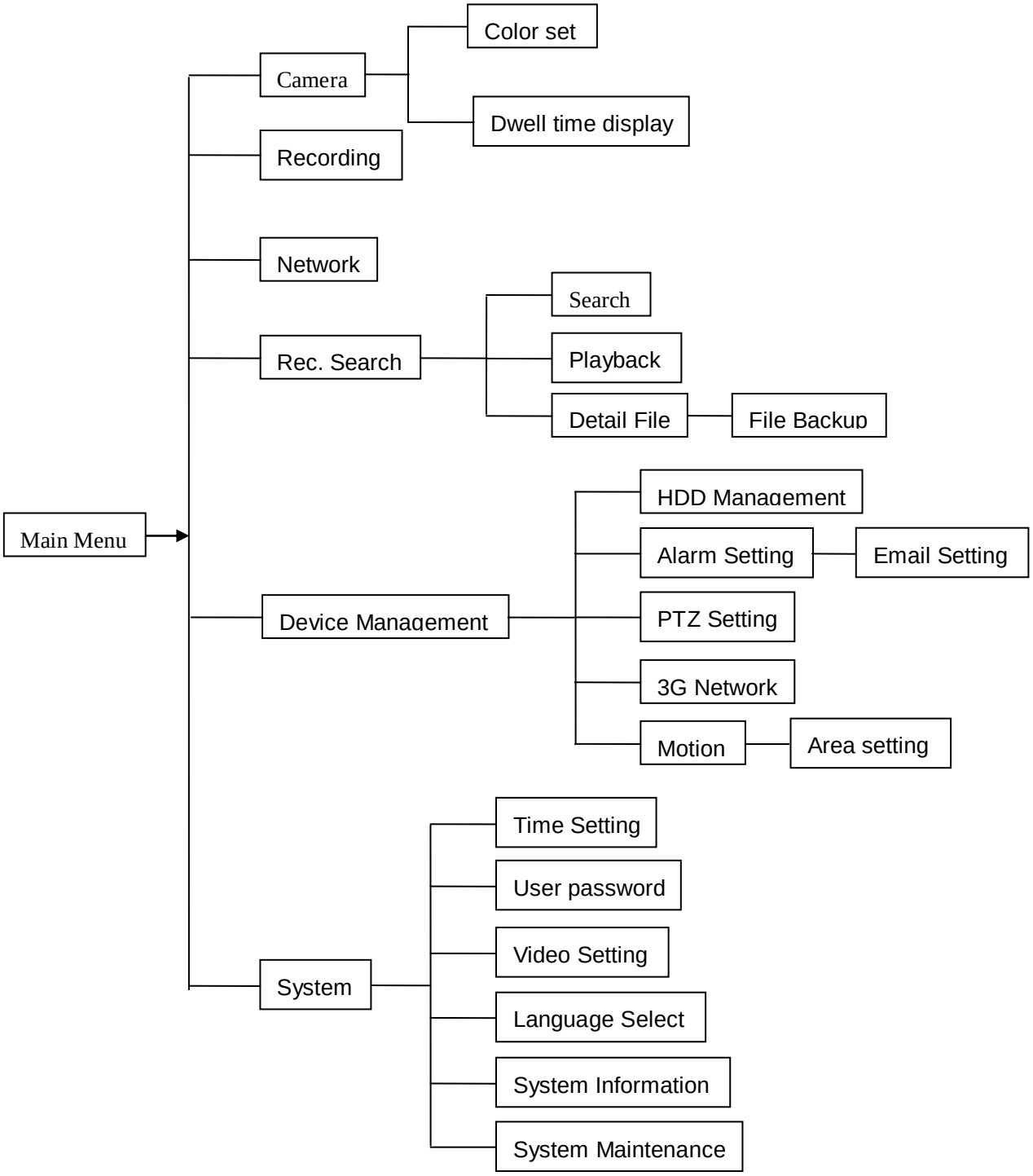
5.1 Pop-up Menu



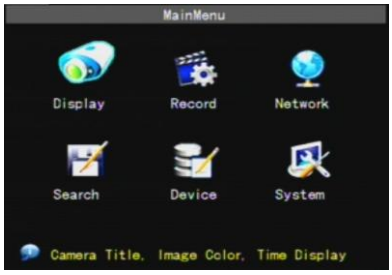
Picture 5-1

You can access a pop-up menu by right-clicking the mouse any area on live mode shown as Picture 5-1. Options of the Pop-up menu may differ depending on parameter settings, operation mode and application environment.

5.1 Main Menu Guide



5.2 Main menu



Picture 5-2

After clicking right button of mouse, pop-up menu appears on the screen. You can click [main menu] option on pop-up menu mode to enter into Main menu interface (Shown as Picture 5-2). In Main Menu mode, you can control device management settings, such as Display, Record, Network, Search, Device and System setting etc.

5.2.1 Display setup

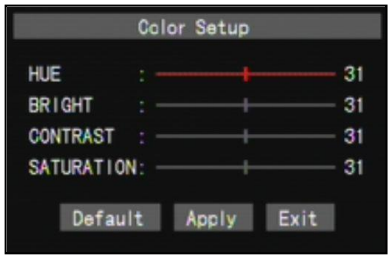
Go to [Main menu→Camera] to set up the CH name and position for each channel shown as Picture 5-3.

Picture 5-3

You can set up whether each channel can be previewed or not under Live display and/or record mode, enable live time or not under live screen and set up record time or not on the record history.

Please note that the name of each channel supports up to eight characters.

Copy function: allow you copy all data of one channel to any other channel.



Picture 5-4

You can adjust image brightness, saturation, contrast and hue parameters of each channel after entering into [Color] menu.(shown as picture 5-4).

Explanation：

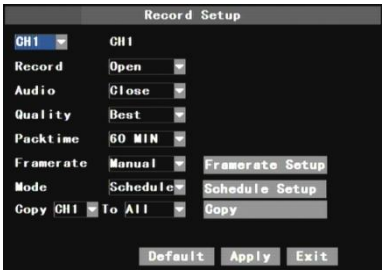
1、The modifications will be available after clicking [APPLY] button on the bottom of the sub-menu windows and being prompted to save and then clicking [ok] button.

2、If you want to cancel the modification, click [Exit] button to exit the menu.

3、When clicking [DEFAULT] button, all system default values will be reset to default value.
System default value indicates the ex-factory default setting.

5.2.2 Record setup

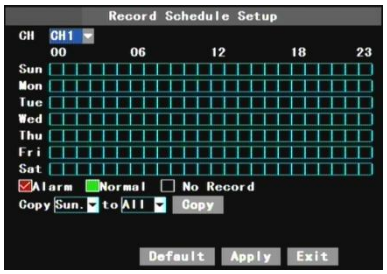
Click [Main Menu] →[Record] to enter into [Record Setup] menu (Shown as Picture 5-5).



Picture 5-5

- [Record] option allows you set up recording status (Enable/Disable) of each channel.
- [Audio] option allows you turn audio on/off.
- [Quality] include three options – Best, Good and Normal.
- [Pack time] indicates maximum continuous record time (15, 30, 45 and 60 min).
- [Frame rate] include two options – Fixed and Manual. When set to “Manual” and click [Frame rate setup] option, you may allocate the frame rate for each channel.

- [Mode] allow you to select record modes, including Always and Scheduled. To record 24 hours a day set the [Mode] to Always. To record on motion or a set schedule, select the [Schedule] option
  When setting [Mode] to Schedule, the schedule screen will appear as shown in Picture 5-6.



Picture 5-6

[Record CH] options include All, CH-1, CH-2, CH-3, CH-4, CH-5…CH-16 in turn. Please click the channel you need.

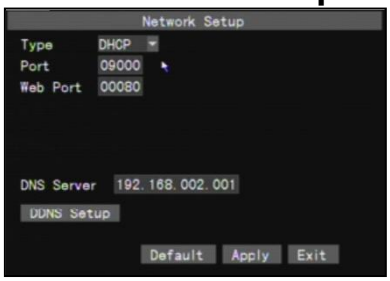
To setup weekly schedules, tick-select the box of the record status you want (Alarm, General, or No Record) and then click on each box in the schedule time line that you want this method to apply to. You can use the [From – To] pull-down menus and Copy button to copy settings from one day to another day or all days.

After you complete the schedule setting please activate it by clicking the [Apply] button.

Please note that 01~07H is defaulted to No record, 08~18H to Normal and 19~00H to Alarm.

Explanation: On the [record Set] and [Search] mode, original color stands for no record, “Red” stands for alarm record, “Green” stands for normal record.

5.2.3 Network Setup



Picture 5-7

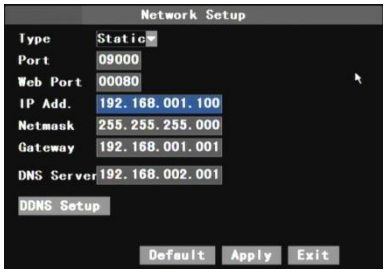
Enter into [Main Menu→Network Setup] to setup the network configuration (Shown as picture 5-7):

After selecting network mode - such as DHCP, PPPOE or static allocation- and setting up web ports，you can visit DVR remotely through a network or internet.

DNS: DNS server is generally provided by local ISP. Herein please enter the IP address of your DNS.

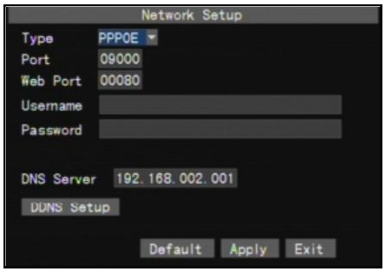
Note: When selecting DHCP the router will allocate DVR IP address automatically after you exit the menu. The IP address of the DVR might change whenever the unit is turn on.

When selecting Static from the Type, user can directly set IP address, Subnet Mask, Gateway, Web Port and DNS shown as Picture 5-8.



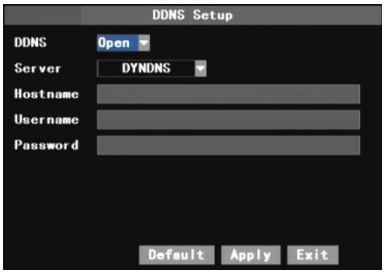
Picture 5-8

When selecting PPPoE from the Type, user can input user name and password provided by ISP and set Media and Web port (details please refer to the below Picture 5-9). You can visit your DVR via public network without port forwarding when network type is set to “PPPoE” and web port is right.



Picture 5-9

At the bottom of the NETWORK SETUP window there is an option to setup a DDNS service of the DVR shown as Picture 5-10. You can access the DVR through a static or dynamic IP address; however a dynamic address can change from time to time. How often depends on your service provider. When it changes you need to go to a website such as www.myipaddress.com from a computer attached to the same router as the DVR to find out what the new IP address is. There are two solutions to this problem. One would be to get a static IP address from your service provider so that you do not have to be concerned with the address changing. Another solution would to use a dynamic domain name service to get a domain name that can be linked to your dynamic address. You can register on www.dyndns.comwebsite and get a domain name, user name, and password. You can then enter your dynamic domain name into an Internet Explorer browser instead of an IP address and be directed to whatever the current dynamic IP address is, so that you can always access the DVR by entering the same address. You can get more information on how to use these services from www.dyndns.com website.



Picture 5-10

- **Server:** select a Dynamic domain name server provided by ISP;
- **Host Name:** Input host name registered from Dynamic Domain Naming System, for example: dvr2011.dyndns.org;
- **User Name:** Input a user name registered before applying for a domain name;
- **Password:** Input a password you set when registering a user name.

Router's Port Forwarding

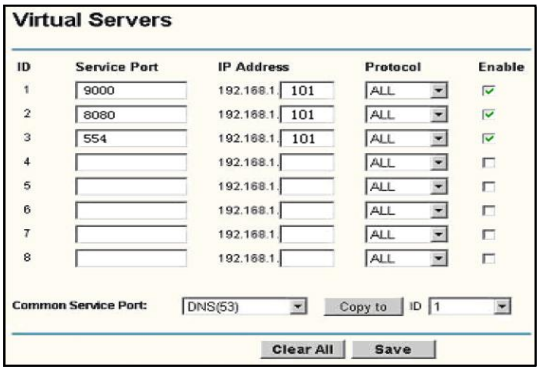
Port forwarding is required when you want to access the DVR connected to the router from outside of the router's network.

1. Input router's IP address from IE-based browser to open the Router configuration interface;
2. Click [Transmittal rule] option to take you to perform the port forwarding setting for your router;
3. Set the corresponding parameters illustrated in Picture 5-11. When server port and web port can be routed to the DVR IP address, user can visit the DVR remotely.
4. User can enter below website or domain name as per current PC network environment to visit the remote DVR.

http://public IP: Web port（such as 0080）

http://intranet IP: Web port（such as 0080）（only available at the same LAN）

http://dvr2011.dyndns.org: Web port（such as 0080）

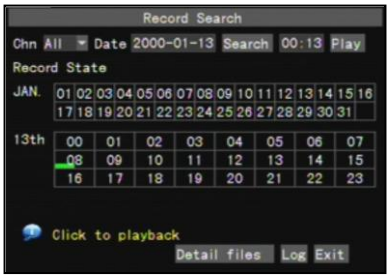


Picture 5-11

Friendly Reminder: The router's port forwarding interface may be different, however, when entering into virtual server, user will need forward port 0080 and port 9000 of router to IP address of DVR allocated or automatically captured, and select [All] or [Both] in corresponding protocol column and save the above setting.

Above steps may differ from the router device depending on the manufacturer.

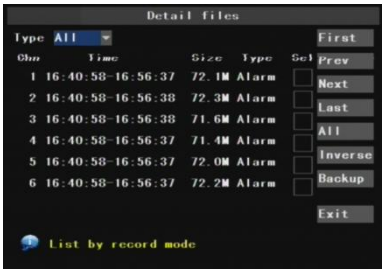
5.2.4 Record Search



Picture 5-12

Click [Main menu→ search] to enter into [Video Search] menu (shown as below picture 5-12)

- **Channel:** allows you select the channel you want to search
- **Time Search:** In the Video Search screen, user can search for a specific date and time for a recording and view it in Playback mode. This is useful for hunting a specific recording of an incident if you know the date and time it occurred.
- **Date Search:** In the Video Search screen, user can search for all the recordings in a specific date. To execute a video search, highlight and select the date numeric field，and then click a detailed time quantum of the specific date, system will start the playback from the first recoding of the time quantum.
- **Playback Mode:** You can use the Playback Control bar to operate the Fast Forward (X2, X4 and X8), Slow play (1/2, 1/4 and 1/8 speed), Play, Pause/Frame, Rewind(X2, X4 and X8). When ending playback, DVR will return back to previous menu.
- **File List:** click [File list] button to enter into the [File List] screen shown as Picture 5-13, the video recordings for the time quantum will appear in the screen. And you also can filter the recordings you want to view by the Channel or recording mode based on date/time search.



Picture 5-13

First： Indicates the first page of recording history you have searched. When you view other pages, clicking [First] button brings you back to Page one.

PRE (Previous page): When viewing event list, clicking [Previous page] button will take you back to previous page from current page (except the first page).

NEXT (Next page): When viewing event list, clicking [Next page] button will take you to the next page from current page (except the last page).

LAST (Last page): Indicates the last page of recording history you have searched. When you view other pages, clicking [Last page] button will take you to the Last page.

ALL (Select All): Allows you to select all the events on the current page.

INVERSE (Select Invert): Allows you to select other events on the current page except those you have currently selected.

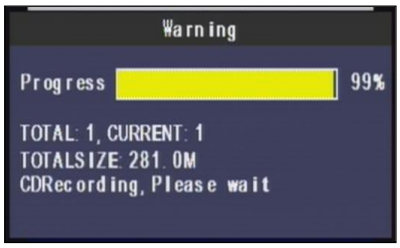
File backup

If you want to backup one history record from the file list, you just select the record and backup device, and then click [APPLY] button.

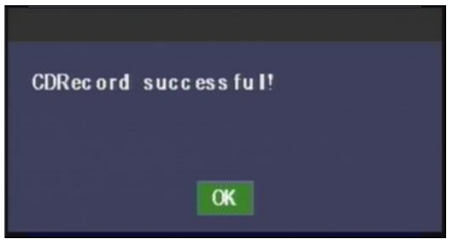
Picture 5-14

If you select embedded DVD recorder, backup will be started after clicking [APPLY] button (shown as below Picture 5-15)

When backup processing ends, system will prompt you “Backup success!” shown as Picture 5-16



Picture 5-15



Picture 5-16

When the backup is completed you will be notified. Please click [OK] button to save your backup.

Picture 5-17

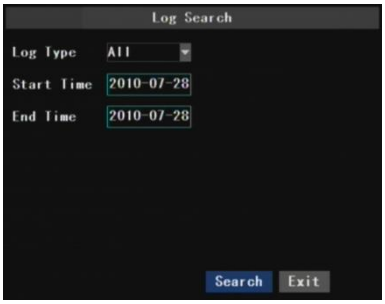
Picture 5-18

Backup file will be in H264 format, you can convert it to AVI format using the AVIGenerator program that comes with the DVR, so you can use any player which supports AVI format.

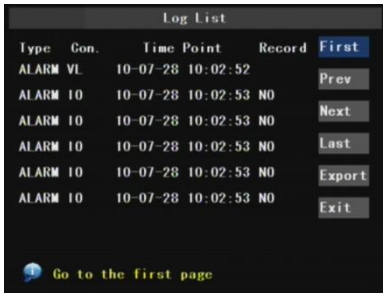
Note: Please make sure you have connected the backup device well.

Log Search

User can search relative log information using [Log Search] function (shown as Picture 5-19).



Picture 5-19



Picture 5-19 (A)

5.2.6 Device Management

Picture 5-20

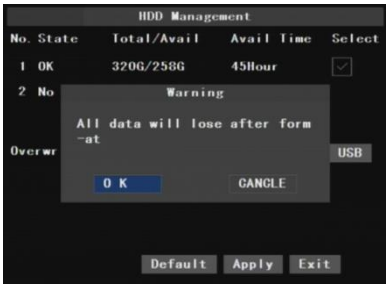
Options in device management include HDD, Alarm, PTZ, Mobile, Motion and Serial set.

Click [Main Menu→Device Management] option to enter into the window shown as Picture 5-20.

5.2.6.1 HDD Management

Picture 5-21

In the [Device Management] screen, highlight and click [HDD] icon to enter into the window shown as Picture 5-21.



Picture 5-22

When DVR is connected to a HDD, the system will automatically detect if HDD is normal or not;

If the cable connected to HDD is loosen or HDD is abnormal, HDD status will be shown as “No Disk”.

If HDD need to be formatted, status will be shown as “no format”, otherwise, the HDD status will be shown as “Normal” (refer to Picture 5-22).

- **No.**：HDD number defaulted by system
- **Status**：Available Hard drive. You can use HDD only after formatted the HDD and inspect the status is normal.
- **Total Space:** Indicates total space available on Hard Drive.
- **Available Space:** Indicates unused space available on the Hard Drive.
- **Available Record Time:** Based on current image detail/quality and frame rate, system will show you how many record time you have left on the Hard Drive.
- **Format HDD:** You can use this option to format the hard drive. DVR can’t record files to the hard drive until it has been formatted. Click [Format HDD] button to start formatting. When selecting [Format HDD] option the system will prompt you – “Format HDD will loss all the data, do you confirm?”; click “OK”, system will prompt you – “Is formatting…” and “successful format”; and then system will restart automatically.
- **Overwrite:** If you select “AUTO” the system will automatically overwrite the oldest recordings once the hard drive is full.
- **Format USB:** Use this option to format USB devices.

Note: It is an important first step when configuring your DVR to make sure that the hard drive (HDD) options are correctly set. So, it is strongly recommended that you do format the HDD before start the first record.

5.2.6.2 Alarm Set

Click [Main Menu→Device→Alarm] to enter into the below window shown as Picture 5-23.

Picture 5-23

Picture 5-23（A）

Click [Alarm Config] on the bottom of the [Alarm set] window to enter into the interface shown as Picture 5-23(a). Now you are allowed to set detailed alarm parameters.

- **Channel select:** the option allows you select one channel you want.
- **I/O Status:** allows you select the three options – NO (Normal Open), NC (Normal Close) and OFF. Set to "Normal Open", I/O status Alarm will be activated while sensor is ON; set to "Normal Close", I/O status alarm will be activated while sensor is OFF; set to "OFF", I/O status alarm will not be triggered.
- **HDD Loss:** When setting this to ON and there is no HDD detected or the HDD is not formatted, the buzzer will sound and a small "H" appears on the screen. Setting this to OFF will only show the "H" on the screen but the buzzer will not sound.
- **HDD Space:** When setting this to ON and the HDD in the DVR is running out of storage space, the buzzer sound will be activated. No alarm sound occurs if it is set to OFF.
- **VIDEO LOSS:** When setting this to ON system will issue alarm sound and display video loss on the live display; when to OFF, only video loss will appear on live screen but have no alarm sound.
- **Alarm Manage**

Alarm Output: you can set how long the external sensor alarm will last when motion is detected (off, 10s, 20s, 40s, and 60s);

Buzzer time: you can set how long the buzzer will sound when motion is detected (0s, 10s, 20, 40s, 60s);

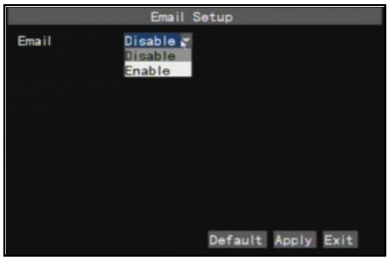
Alarm duration time: you can set how long alarm record will last when alarm ends (0s, 30s, 1minute，2minute，5minute);

- Pre-record time: you can set how long record will last before alarm occurs (Off, 10s).

Alarm Type	Function
Video Loss	Sends alarm when DVR can't receive video signal (such as camera damage, cable broken or damaged or power supply malfunction).
Motion Detection	When an object moves into motion detection area, alarm will be triggered. You can adjust sensitivity level to suit the needs of your actual application environment.
I/O Status	System can convert alarm signal triggered by external sensor into signal identified by system.
HDD loss	When Hard Drive is not detected (HDD damage, power supply malfunction), or HDD auto-overwrite is off, and free space is not enough, an alarm will be triggered.

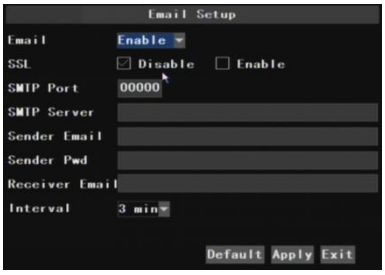
List 5-1

EMAIL Set



Picture 5-24

Click [Email Set] to enter into the interface shown as Picture 5-24.

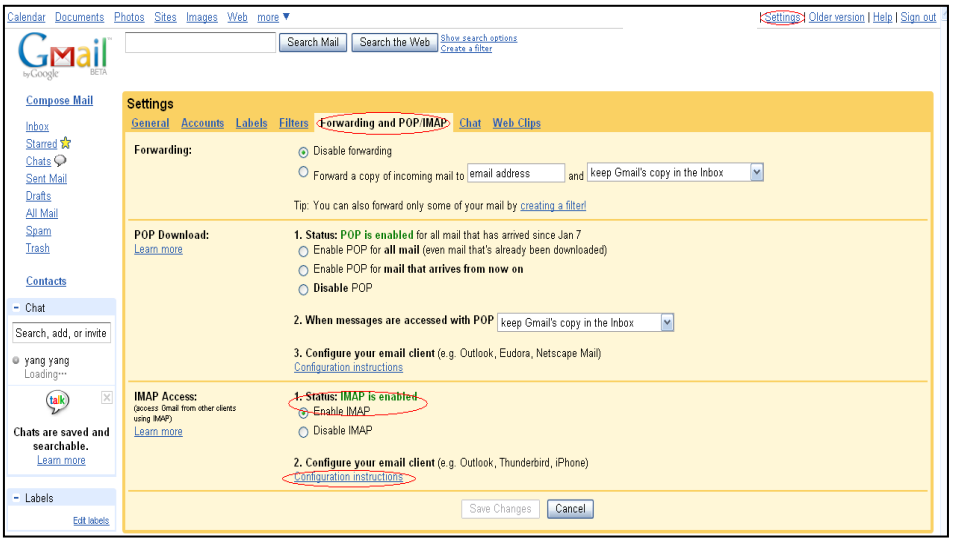


Picture 5-25

On the [EMAIL] screen, when Enabling [Email] option, you can set its parameters shown as Picture 5-25.

- SSL: is a security link transport protocol. You can encrypt your communication info (including your email) using SSL to prevent hackers from monitoring your email or communication info and even your password.

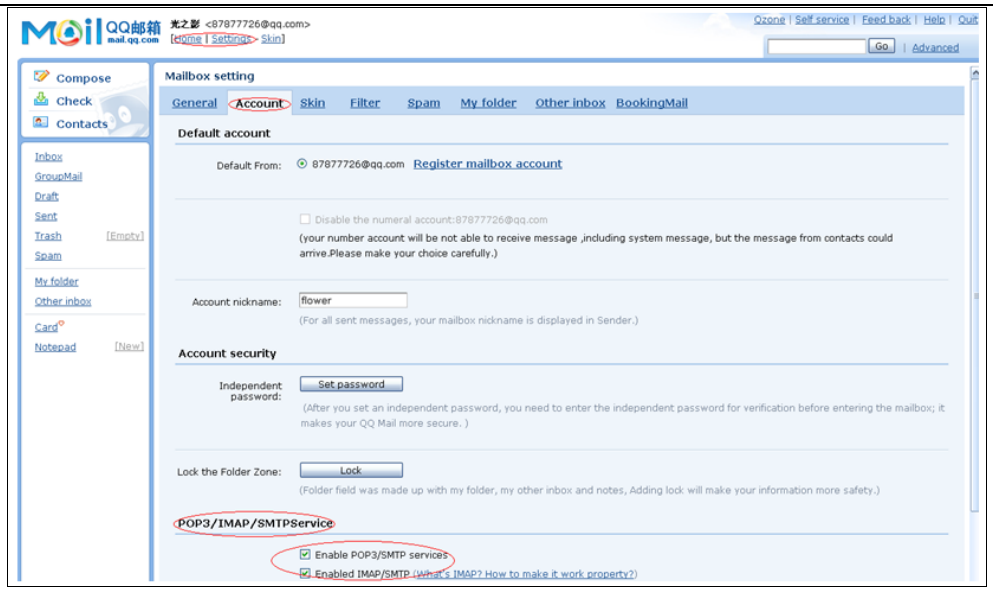
Generally Gmail.com server set SSL to [On] shown as Picture 5-25, and other mail server to [Off]. If your setting is still not right, please contact the web site where you have applied for your email box to get SMTP port and SSL of mail box.


Calendar Documents Photos Sites Images Web more
Settings Older version Help Sign out
Search Mail Search the Web
Compose Mail
Inbox
Starred
Chats
Sent Mail
Drafts
All Mail
Spam
Trash
Contacts
Chat
Search, add, or invite
yang yang
Loading...
Chats are saved and searchable.
Learn more
Labels
Edit labels
Settings
General Accounts Labels Filters Forwarding and POP/IMAP Chat Web Clips
Forwarding:
Disable forwarding
Forward a copy of incoming mail to email address and keep Gmail's copy in the Inbox
Tip: You can also forward only some of your mail by creating a filter!
POP Download:
Learn more
1. Status: POP is enabled for all mail that has arrived since Jan 7
Enable POP for all mail (even mail that's already been downloaded)
Enable POP for mail that arrives from now on
Disable POP
2. When messages are accessed with POP keep Gmail's copy in the Inbox
3. Configure your email client (e.g. Outlook, Eudora, Netscape Mail)
Configuration instructions
IMAP Access:
(access Gmail from other clients using IMAP)
Learn more
1. Status: IMAP is enabled
Enable IMAP
Disable IMAP
2. Configure your email client (e.g. Outlook, Thunderbird, iPhone)
Configuration instructions
Save Changes
Cancel

Picture 5-26

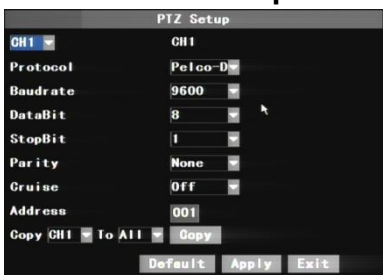
- **SMTP Port:** indicates sender port of SMTP server. Generally the SMTP port value is 25, but there are exceptions, for example, SMTP port of G-mail server should be 465.
- **SMTP server:** indicates server address you use.
- **Sender email:** indicates sender's email address. The email address should be consistent with the server you use. That is to say, when you use email address – aaa@gmail.com, the according server should be smtp.gmail.com.
- **Receiver address:** indicates receiver's email address. The email address is used to receive image transmitted from motion detection alarm of DVR. Please clear the images you have received as soon as possible to avoid overloading your email account.

Detailed SMTP protocols settings please refer to the below picture 5-27.



Picture 5-27

5.2.6.3 PTZ Setup

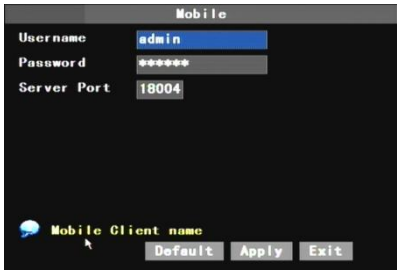


Picture 5-29

Enter into [Main menu→Device→ PTZ Setup] to select the channel you want to control and set PTZ protocol (Pelco-D or Pelco-P), Baud Rate (1200, 2400, 4800, 9600), Stop bit (1, 2), Parity Check (None, Odd, Even Mark Space), Address Code and Cruise status respectively. Please note the above mentioned channel settings must match with the settings of the PTZ camera.

5.2.6.4 Mobile

The DVR is currently compatible with mobile phones running Andriod, Windows Mobile, Symbian, Blackberry and iPhone operating systems on 3G networks. Details access methods please refer to separate Mobile phone Access Instruction.



Picture 5-30

Click [Main menu→Device→Mobile] to enter into [Mobile] menu shown as Picture 5-30. .

User Name: indicate user name of DVR.

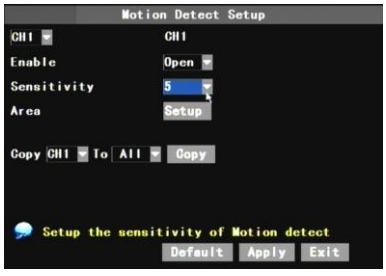
User password: indicate user password of DVR

Server port: Mobile monitoring port. Setting range is between 1024 and 65535. Please note that

Explanation: Please connect DVR to Internet before setting DVR port number and the server port number is not equal to network menus.

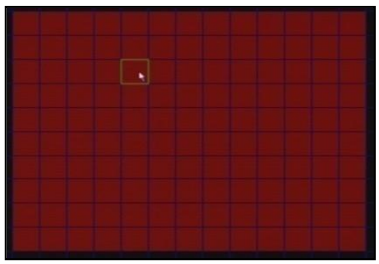
5.2.6.5 Motion Detection

Click [Main→Device→Motion] to enter into the [Motion Detection] menu shown as Picture 5-31. The [Motion detection] Menu has three sections, including Channel Status, Sensitivity and Motion area.



Picture 5-31

- **Channel STATUS**: This option allows you to enable motion detection on any channel.
- **SENSITIVITY:** This option allows you to set sensitivity level of motion detection from 1 to 4 with 4 being the most sensitive.
- **MD AREA:** This option allows you to select the area you want to be sensitive to motion.



Picture 5-32

The channel is separated into a 13X10 area. When any object moves into the motion detection area, and the area where the object located is displayed in red, recording will be triggered. In the semi-transparent area the motion detection is off.

5.2.6.6 Set Serial

Picture 5-33

When Multiple DVRs are controlled by keyboard, user needs to set communication protocol.

- **Baud rate: set baud rate of serial protocol**
- **Data Bit: Set data bit.**
- **Stop Bit: Set stop bit**
- **Check: allows you to set [Check] to none.**

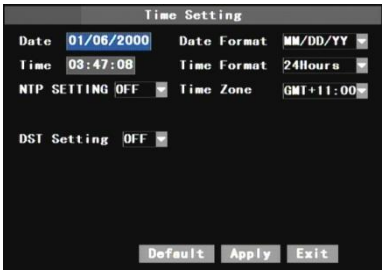
5.2.7 System

Picture 5-34

The [System] Menu includes below sub-menus: Time Set, User Password, Audio/Video Setting, Language select, System Info and System Maintain.

After entering into the [System] menu, you can freely configure the system parameters to meet your needs.

5.2.7.1 Time Set



Picture 5-35

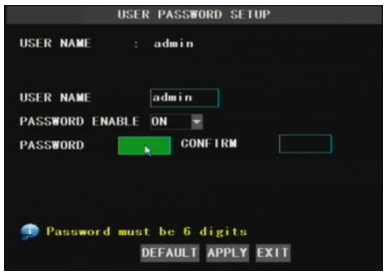
On the [System] menu screen, click [Time] icon to enter into [Time set] menu shown as Picture 5-35.

Now you are allowed to modify system date, time, date/time format and time zone, setup NTP (Network Time Protocol), DST (day saving time) status and mode.

5.2.7.2 Password

Picture 5-36

This option allows you set the system password if you want to use one. The new passwords will be available after clicking [APPLY] button.



Picture 5-37

When you set Password Enabled to "ON" firstly (shown as Picture 5-37), you can setup a user password and administrator password respectively. The password is consist of digital number 0~9 and supports up to 6 characters.

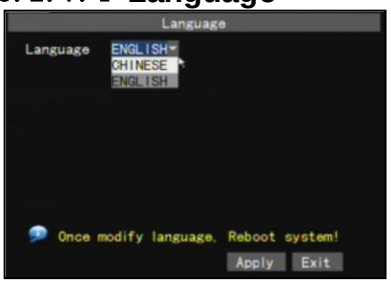
5.2.7.3 Video/Audio Setup

Click [Main Menu→System→Video/Audio] to enter into Video/Audio setup screen shown as Picture 5-38.

Picture 5-38

- **System:** allow you set Camera system (PAL, NTSC).
- **Video output:** include two options - Live out which indicates real-time display mode and Spot out which indicates single channel/dwell time display mode.
- **Poll time:** allow you set poll time between 0s and 300s.
- **Sequence set:** the option allows you setup display position of any channel (Virtual).
- **VGA resolution:** Your options are 1024×768、1280×1024、1440×900 and HDMI (optional).
- Volume control: allow you set volume's default value.

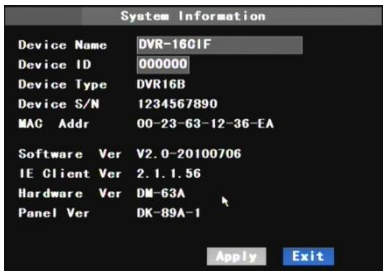
5.2.7.4 Language



Picture 5-39

Enter into [System Language] menu to select the language you want to use on the DVR (shown as Picture 5-39) and click [Apply] button. The selection will be available after system Auto restarts.

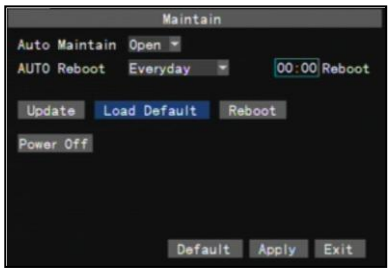
5.2.7.5 System Information



Picture 5-40

Enter into [Main Menu→ System→Info] to preview system info, including Device name/ID/type/SN, Software (firmware) version and MAC address etc.

5.2.7.6 Maintain



Picture 5-41

Enter into [Main menu→System→Maintain] menu to reset the DVR parameters to factory default settings, update system software (firmware), and set system auto-maintenance shown as Picture 5-41.

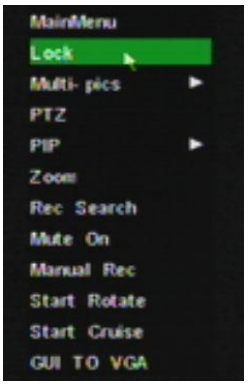
- **Auto Maintain:** When opening auto-maintain function, you can setup system to restart regularly.
- **System Update:** Copy the file named with "dvrupgrade" to USB flash drive; and connects U flash drive to USB port of DVR, and then click [System upgrade] menu.

- **Default:** Click the [Default] button to reset the DVR parameters to factory default settings.
- **Reboot:** Click the [Reboot] button to restart the device manually.
- **Safe power off:** the button allows you cut the power after making sure the DVR shutdown.

Note:

1、 **Please do not cut off power nor unplug USB flash disk during the upgrade.**
2、 **System will automatically restart after finishing system update.**
3、 **User needs to manually recover the ex-factory default setting after restarting.**
4、 **Please return back to live screen and have no any operation after setting auto maintain time, otherwise, the auto-maintenance function will be not effective.**

5.3 Menu Lock



Picture 5-42

Considering a system safety feature, you can click [Menu Lock] to lock menu when leaving the DVR. If you want to login to the DVR, you would input device code and password shown as Picture 5-42.

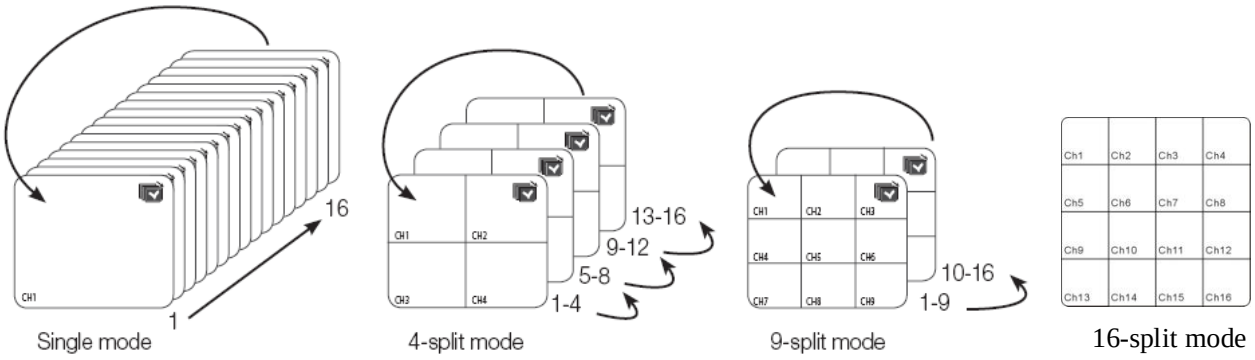
Picture 5-43

Common user only has the authority to search recordings, but Administrator has full authority over Main Menu operations.

Any user can start and stop manual record on the non-record mode.

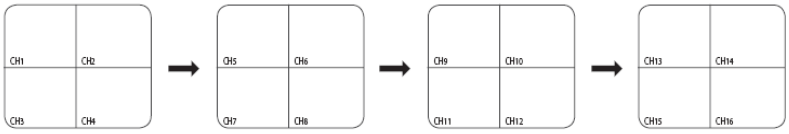
5.4 Split mode

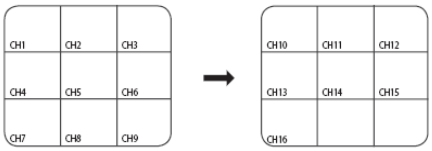
The model displays 16 live images in the sequence of single, 4-split, 9-split and 16-split modes.



If you click the right key in 4-split mode:

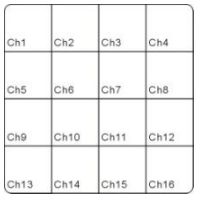
Channel (CH1~4) → Channel (CH5~8) → Channel (CH9~12) → CH13~16



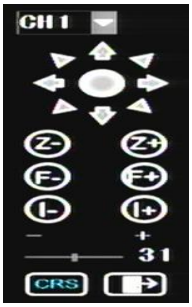


If you click the right key in 9-split mode:
Channel (CH1~9) → Channel (CH10~16)

If in the 16-split mode, the display show as below:
Channel (CH1~16)



5.5 PTZ Control



Picture 5-44

We introduced setting PTZ parameters previously in chapter 5.2.6.3. Here we will discuss how to operate PTZ controls.

Pop up the Pop-up Menu to highlight and enter into [PTZ control] menu (shown as Picture 5-44). Now user can control the camera with Pan, Tilt and Zoom capabilities.

Click [Zoom-/+] button to zoom in / out the image; Click [Focus -/+] button to focus the image; Click [Iris -/+] button to adjust iris to open or close.

Picture 5-45

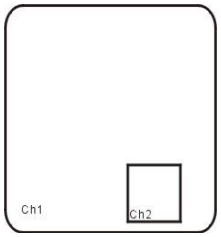
Cruise set

Open auto cruise function on PTZ setting menu if you want to setup cruise function (system default: off), and set up cruise channel, cur point and total quantity and stop time etc.

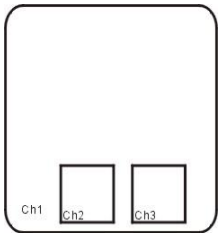
- **Channel select:** select the channel with the PTZ camera
- **Total:** set up pre-set bit quantity
- **Cur Point:** indicates starting point cruised. System default point is 01.
- **Stop time:** sets the stop time at each point
- **GOTO:** allow you go to a specific preset point.
- **Set:** allow you set a set of specific preset points of a PTZ camera.
    1. Select a camera you desire to set a preset point;
    2. Adjust the camera in a desired direction
    3. Click [Set] to set the point as preset point
    4. Click [Save] to save the preset point
    5. Follow the above step to add one more preset point.
- **Clean**: allow you delete one selected preset.
- **Note**: Up to 254 presets bit for the model can be stored. However, actual preset quantity differs depending on PTZ performance.

5.6 PIP Mode

PIP display is one kind of live display mode, including 1x1 display modes and 1x2 display modes.



1x1 display mode



1x2 display mode

5.7 Video Search

Click Pop-up Menu to quickly enter into [Video Search] Menu. We have introduced how to search and playback video record in previous section. Details please refer to section 5.2.4 – Video Search.

5.8 Mute

You can control volume open or close by clicking the [Mute] option.

5.9 Record

Double-Click Pop-up Menu to enter into the [Record] option. Now you can start manual record function, or you also can click [Rec] button on the front panel or remote controller to activate manual record. Please stop record manually once you activate manual record.

5.10 Stop Record

To stop record quickly, please enter into pop up Menu to click [Stop] option.

5.11 Start Sequence

When entering into [Start sequence] menu, auto-sequence will be conducted at the set interval.

5.12 Start Cruise

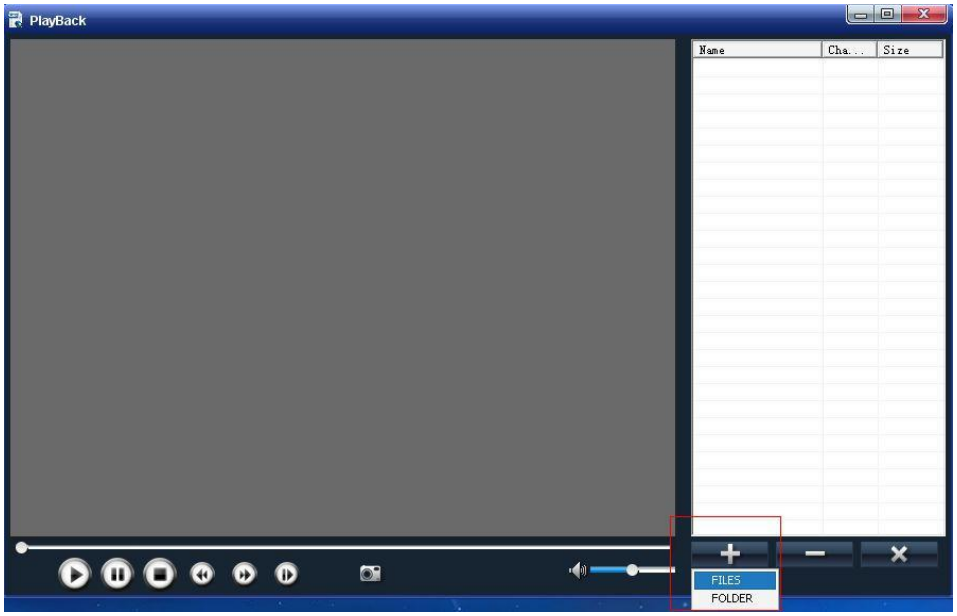
If multiple presets are specified, the PTZ camera will automatically move to all of presets at a time whilst user activates [Start Cruise] options.

Picture 5-46

5.13 Playback Player

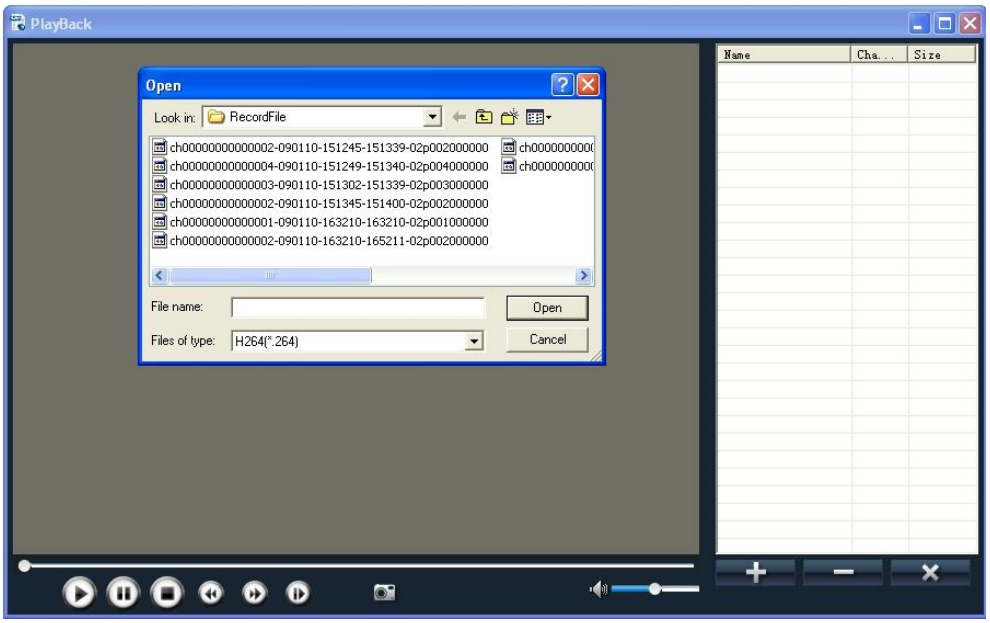
1、 Copy backup file to your PC;

2、 Open Playback Media Player, and then click [+] button to open the file shown as Picture 5-47;



Picture 5-47

3、 Select the playback file you desired from the file shown as Picture 5-48.



Picture 5-48

Note: Please select the file with *.264 format or *.nvr. The record file backed-up by USB flash disk or removable disk is with *.264 format, and DVD Recorder with *.nvr format.

4、 Open backup file

Double-click the record event at the right side to start record file playback.

The button functions from left to right in turn are as follows:

[Play] button: start playing record file

[Pause] button: pause the record file playback

[Stop] button: stop the record file playback

[Rewind] button: rewind playing the record file at X2, X4, X8 and X16 speeds.

[Forward] button: forward playing the record file at X2, X4, X8 and X16 speeds.

[Frame by frame]: Play the record file frame by frame.

[Snapshot]: click the button to capture the record image and save the image to a specified position.

[Add]: click the button to add one record file.

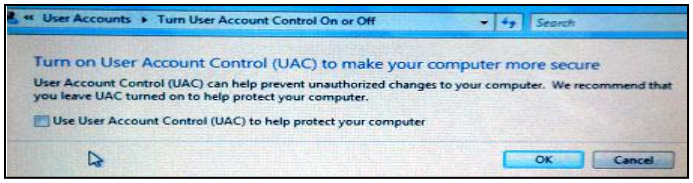
[Del]: click the button to delete one record file.

[**Del all**]: click the button to delete the entire record file in the event list.

Chapter 6: Web Application Manager

6.1 Plug-ins download and installation

1. Open your web browser, input the IP address and web port of DVR;
2. If your computer is connected to internet, you will be prompted to download and install "ActiveX Control";
3. You may have "Windows Security Alert" that attempts to block this with the windows Firewall. In that case, click [Unblock] button to continue your installation processing.


User Accounts ▸ Turn User Account Control On or Off
Search
Turn on User Account Control (UAC) to make your computer more secure
User Account Control (UAC) can help prevent unauthorized changes to your computer. We recommend that you leave UAC turned on to help protect your computer.
Use User Account Control (UAC) to help protect your computer
OK
Cancel

4. The installation is complete; you will enter into the interface shown as Picture 6-1 and activate some ActiveX control.

Picture 6-1

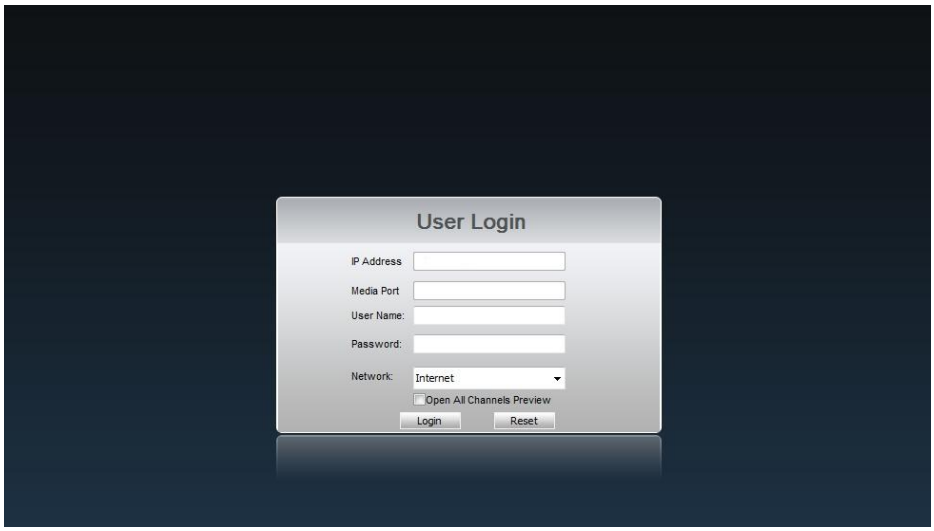
Reminder: If the plug-in program is not downloaded successfully, please check if your browser's safety level or firewall setting is too advanced. Also refer to section 5.2.3 Network Setup to make sure network configuration is correct, ports are forwarded correctly, and ActiveX is enabled

Note: If you want to delete old IE webcam at DVR system update, run the command characters: "regsvr32 /u HiDvrOcx.ocx".

6.2 Web Client Log-in

After finishing plug-ins installation, please enter password and click [Log-in] button, and now you can view DVR remotely through the Web Client.

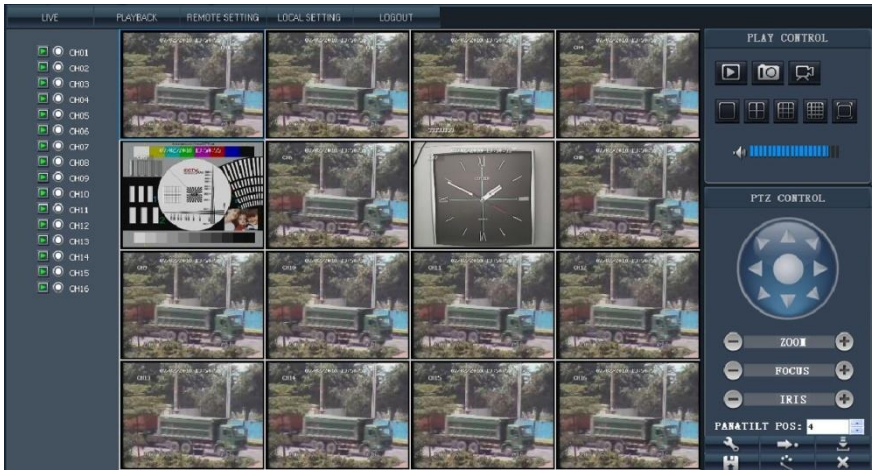
Please note default password is empty. System allows Administrator to set new password as per instructions in previous section - [Password set] menu.



Picture 6-2

6.3 Web Client Interface

After successful logged-in web client, you will enter into the Live interface shown as Picture 6-3 and simultaneously Audio / Video will be automatically connected well.



Picture 6-3

6.3.1 Menu Bar

Menu bar include [Live], [Playback], [Remote setting], [Local Setting] and [Logout] option.

6.3.1.1 Live screen

After PC Web Client logged in, system will be defaulted to enter into Live mode. User can open or close image preview through Play control bar, and select display modes, including single CH mode, 4-split mode, 9-split mode and 16-split mode.

Click the [ ] icon of one channel to display the channel's image.

Click the [ ] icon to start manual record.

6.3.1.2 Playback

Click [Playback] option to playback record files from remote DVR by selecting relevant date, channel and type. Details please refer to below Picture 6-4.

Picture 6-4

Back-up

Highlight the backup file you desired and click [Download] button.

The backup file will be defaulted to save as 264 format.

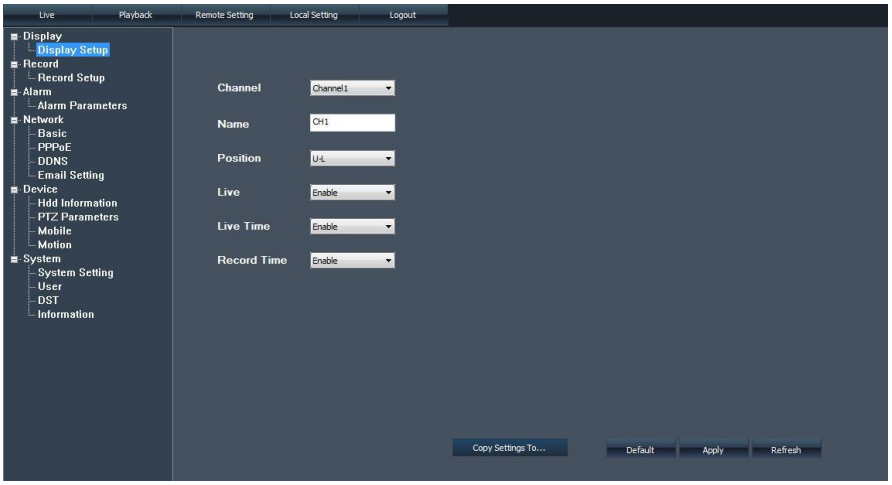
While double-clicking the record file or highlight the record file and click [Play] button, system will automatically start to backup the record file to specified route while playing the file.

6.3.1.3 Remote setting

Click the [Remote setting] option and then enter into the interface shown as Picture 6-5. Now you are allowed to perform the parameter settings of Channel, Alarm, PTZ, Network and Device and Device manage.

✧ Display

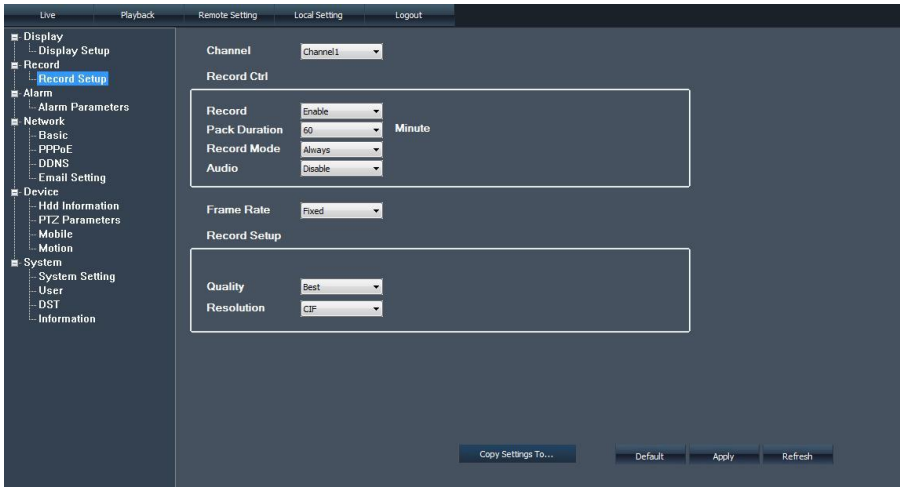
Click [Display Setup] option to set Channel Name, Position, enable Live display / Live time and Record time for each channel. Details please kindly refer to the Picture 6-5.



Picture 6-5

✧ Record

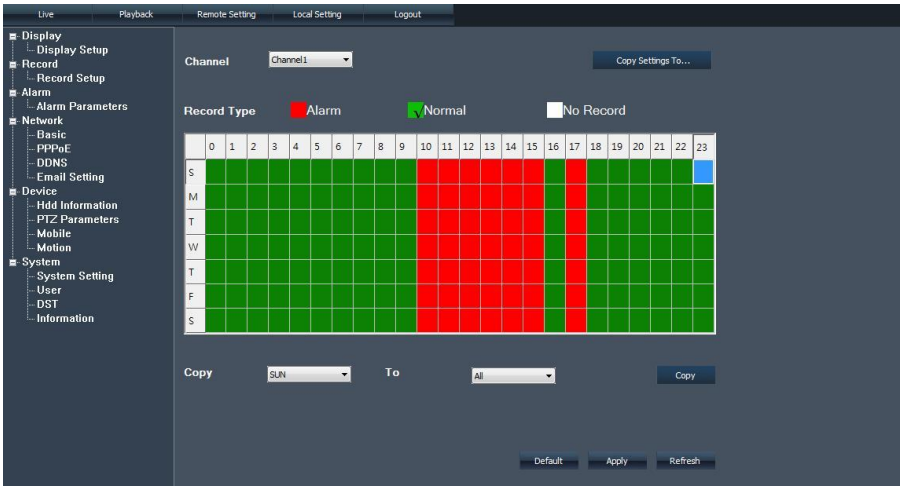
Enter into [Record Setup] option to set record control parameters, including record enabling, audio enabling, Pack duration, Record mode, Frame rate, Quality, Resolution and schedule etc. (shown as Picture 6-6a and 6-6b)



Picture 6-6a

Click the [Schedule] menu to enter into its sub menu (shown as Picture 6-6b).

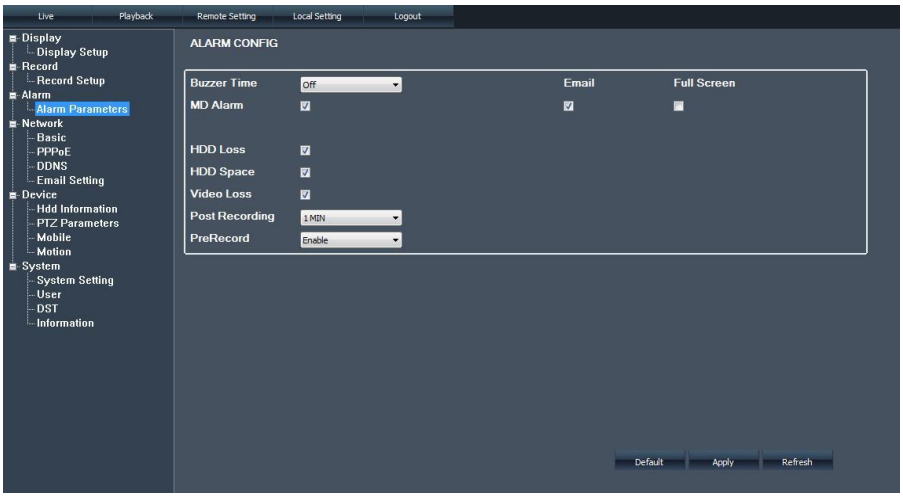
Remote setup methods are the same as local DVR setup. Please refer to Section 5.2.2 Record Setup.



Picture 6-6b

✧ Alarm

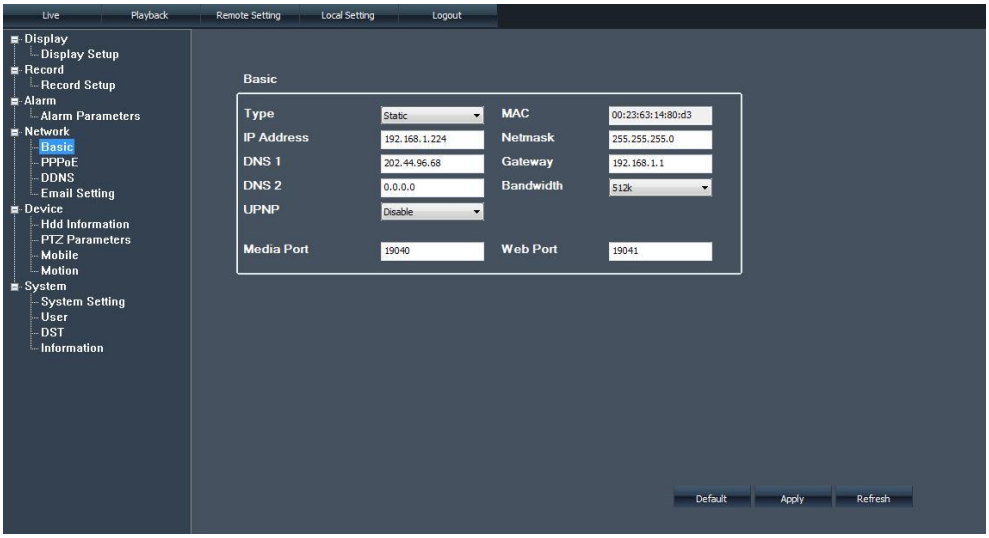
Click [Alarm Parameters] option, you are allowed to set Buzzer time, Post Record time and also Motion Detect function, Email, Full Screen, HDD loss, HDD space, Video loss enabling/disabling and Pre-record function enabling/disabling.



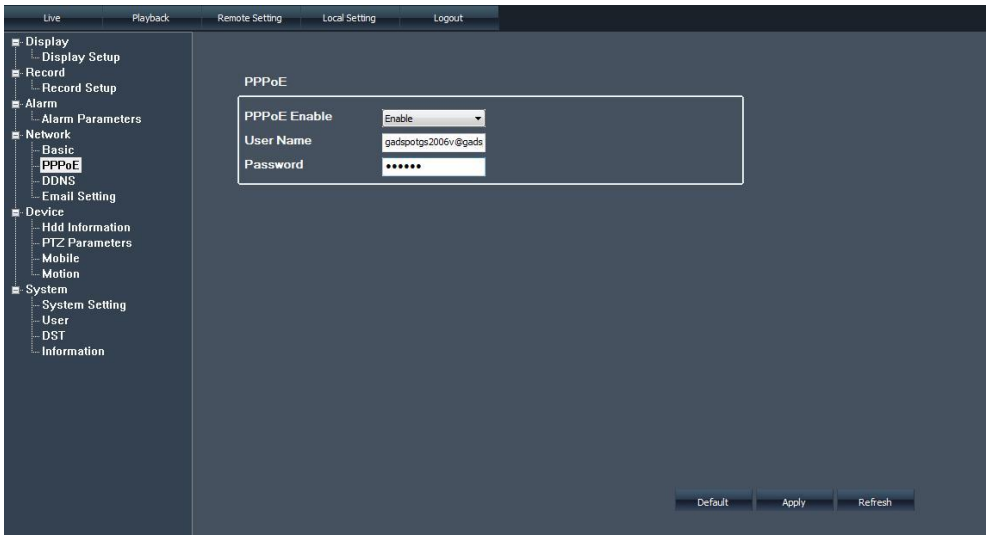
Picture 6-7

✧ Network

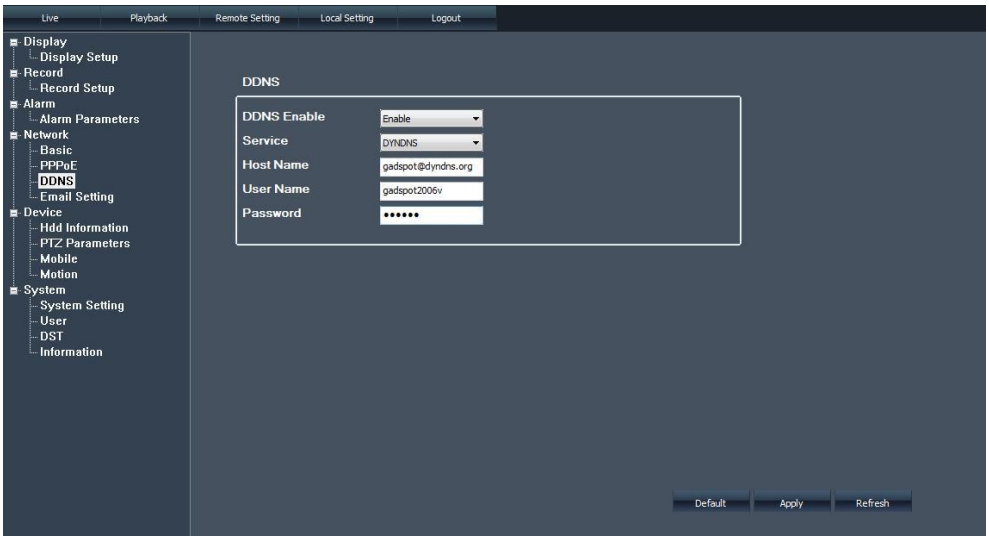
Click [Network Parameters] option to enter into [Network setting] menu, including [Basic], [PPPoE], [DDNS], and [Email setting] (Picture 6-8). Relevant parameters setting please refer to section 5.2.3 – [Network Setting].



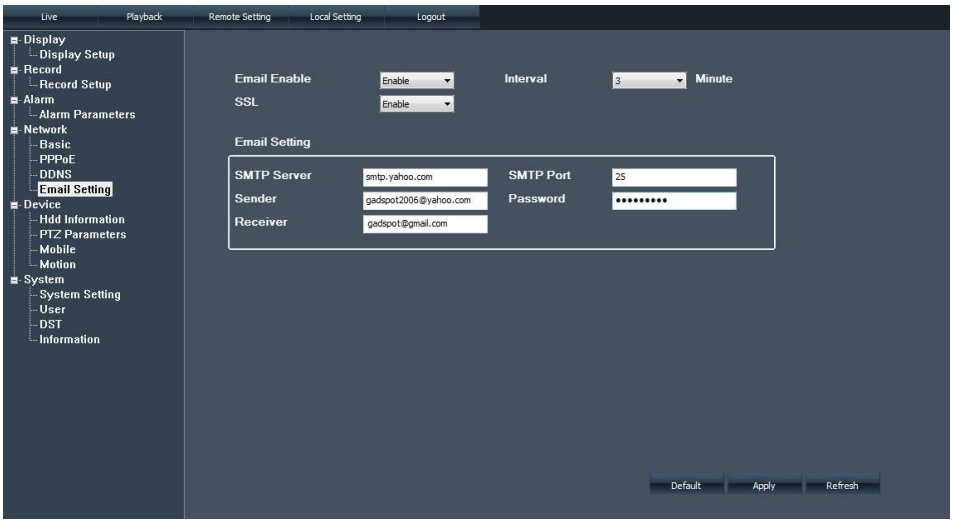
Picture 6-8



Picture 6-9



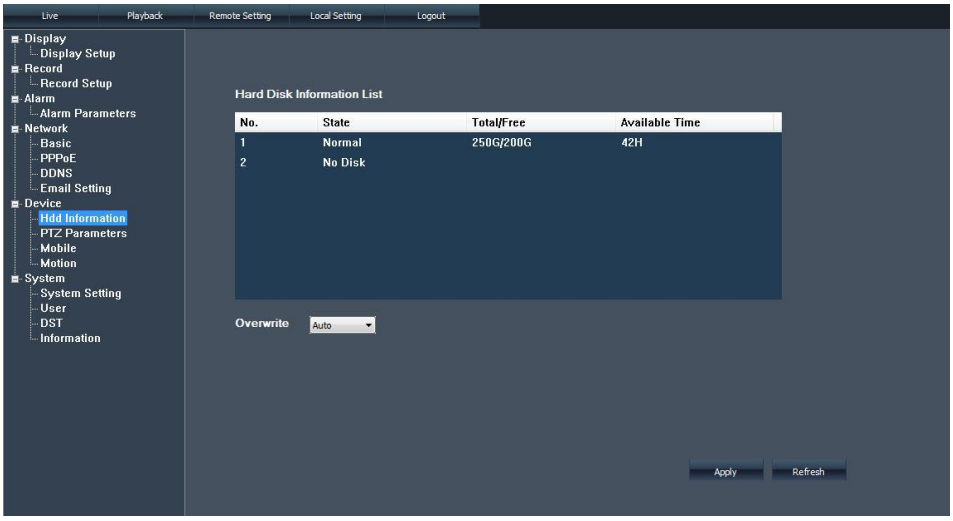
Picture 6-10



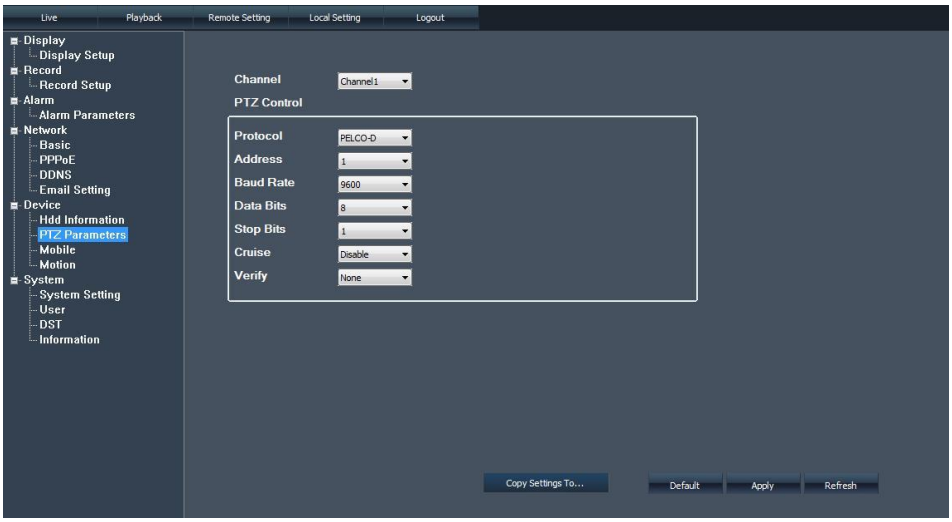
Picture 6-11

✧ Device

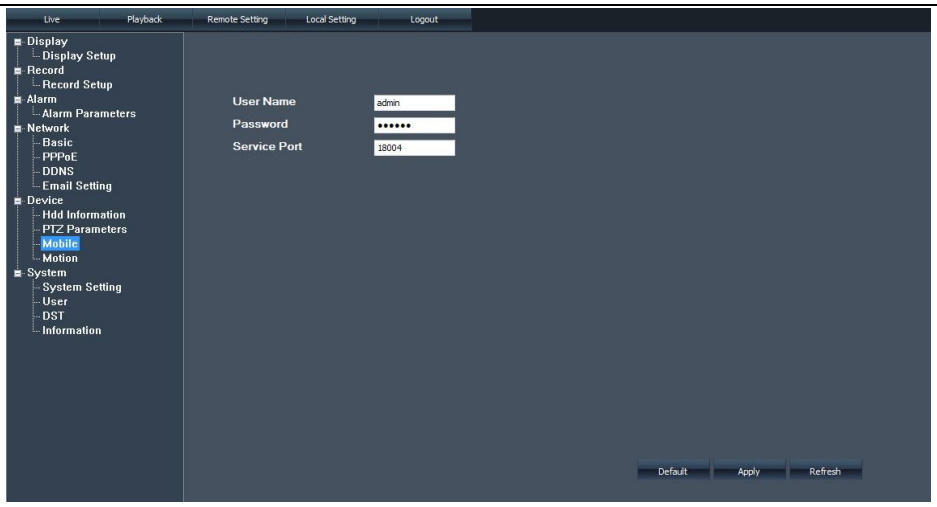
Click [Device Parameters] option to enter into the interface shown as Picture 6-12. Now you can check HDD info (Picture 6-13), PTZ parameters (Picture 6-14), Mobile (Picture 6-15) and Motion (Picture 6-16).



Picture 6-12

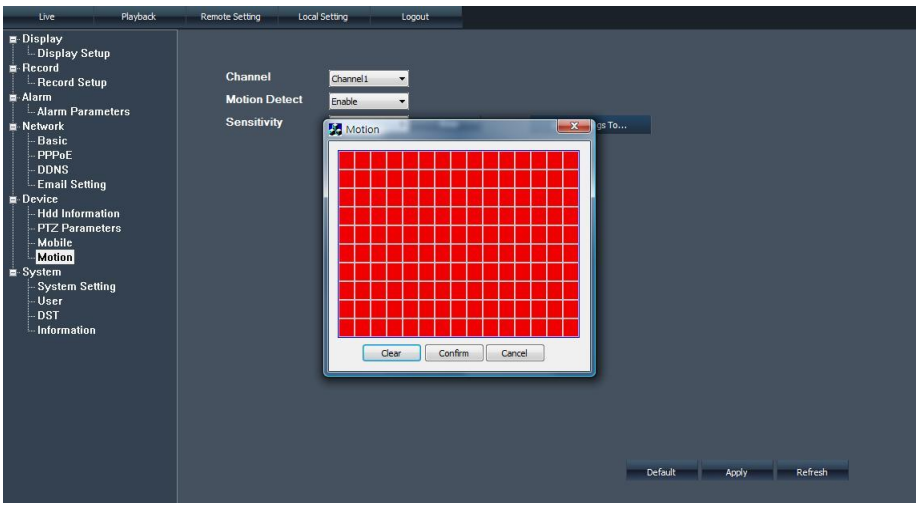


Picture 6-13



Picture 6-14

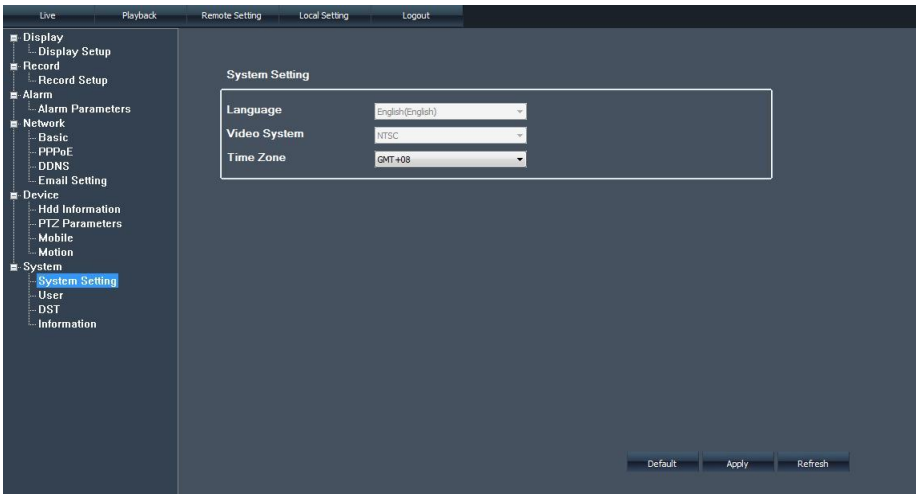
Click [Motion] option, you are allowed to set Motion channel, its sensitivity and MD Area, and also copy the settings to other channels.



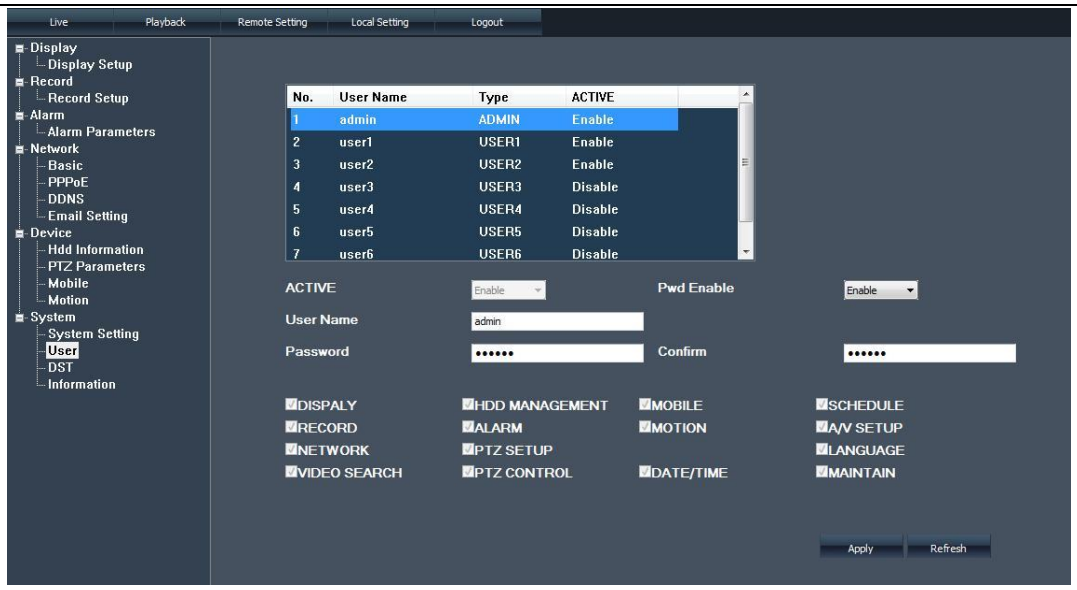
Picture 6-15

✧ System

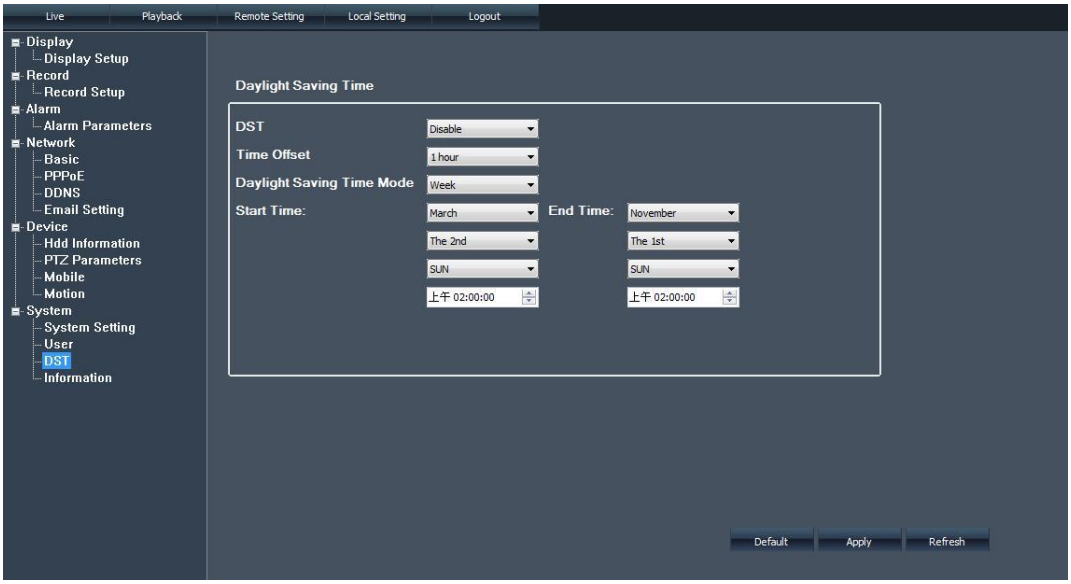
Extend [System] option to enter into sub menus – System setting, User, DST and Information shown as Picture 6-16, Picture 6-17, Picture 6-18 and Picture 6-19.



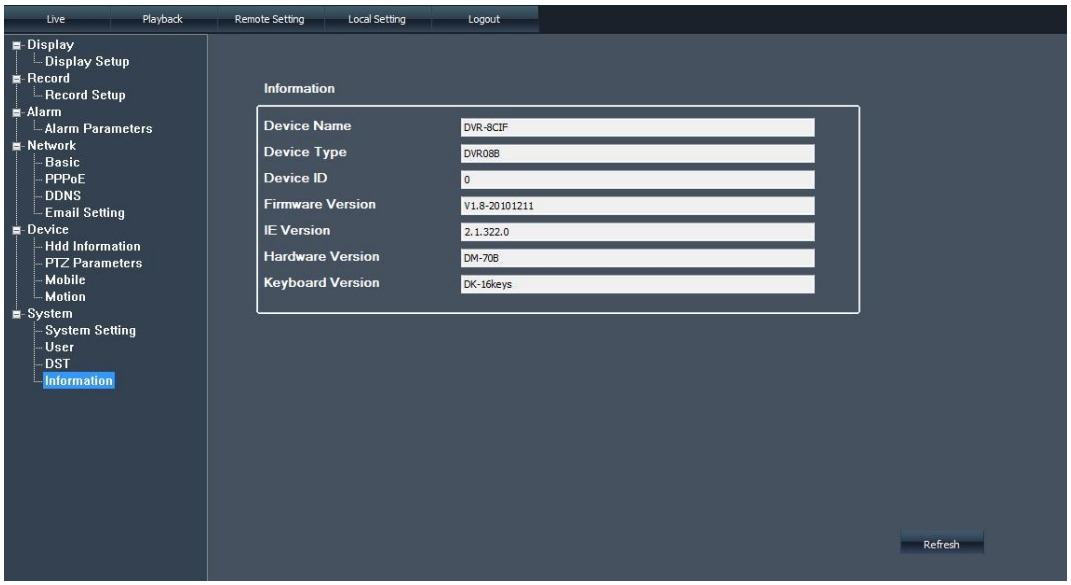
Picture 6-16



Picture 6-17



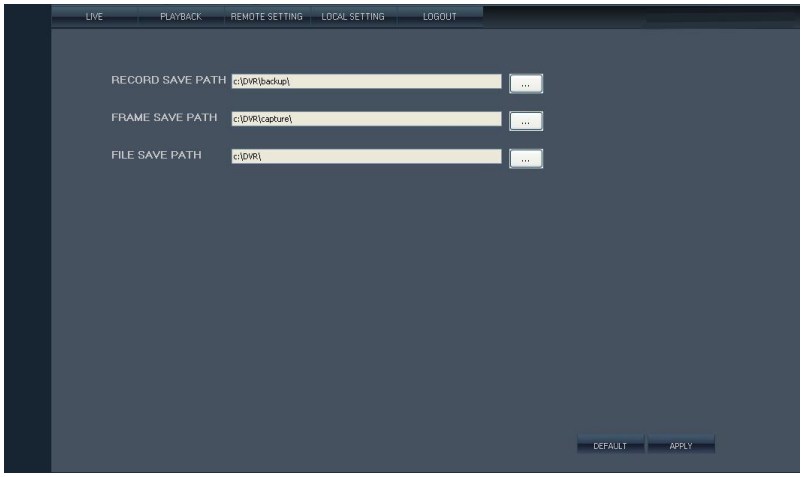
Picture 6-18



Picture 6-19

6.3.1.4 Local setting

The option allows you set [Record Save Path], [Frame Save Path] and [File Save Path].

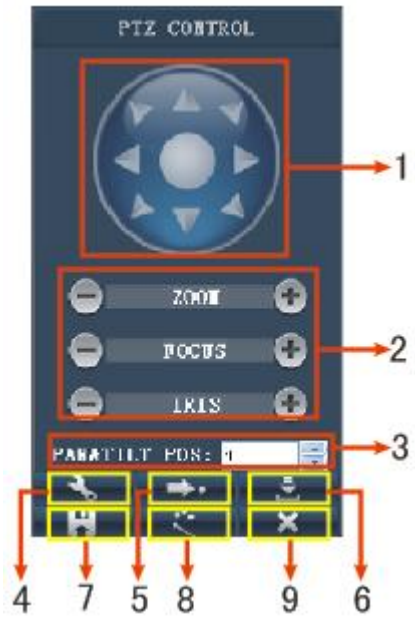


Picture 6-20

6.3.1.5 Log out

Click [Logout] option to return back Log-in Interface shown as Picture 6-2

6.3.2 PTZ Control



Picture 6-19

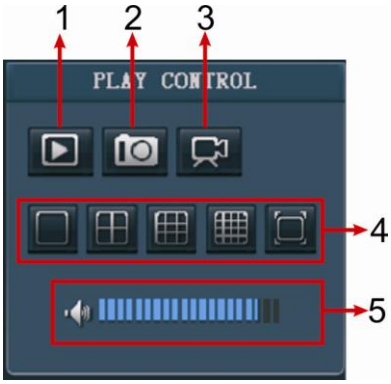
1. PTZ direction control: the buttons allow you control PTZ moving direction.
2. Zoom, Focus and Iris control: the buttons allow you control PTZ moving direction, zoom, focus and iris.

Preset bit control

3. Pan & Tilt Pos: indicates starting point you desire to cruise firstly.
4. Set: allow you set a series of specific preset points of a PTZ camera. (Detailed settings please refer to section 5.5 – PTZ control).
5. Go to: On the Live mode, enter preset point number you want to display and click [Go to] button, system will quickly go to the specific preset point.

6. Load: allow you load the last preset point you set.
7. Save: allow you save the preset point you set.
8. Cruise: allow you enable/disenable the [Cruise] function.
9. Clean: allow you delete the current preset point.

6.3.3 Play Control



Picture 6-20

1. On/Off Live display: clicking the button will open or close Live display.
2. Snapshot: clicking the button will capture the live image from one selected channel and save the image with *.bmp format to PC.
3. Record: clicking the button will remotely record the Live images and automatically save the recording to a specified position.
4. Channel display mode: the icons stand for the Single channel display, Quad display, 9-split mode, 16-split mode and full screen mode respectively.
5. Volume control: clicking the icon to adjust sound volume.

Chapter 7: Specifications

TYPE	DEVICE PARAMETER	16-CH DVR
Video / Audio Video / Audio	Video System	NTSC / PAL(Optional)
	A/V Compression Format	Video: H.264 / Audio: 8kHz*16bit ADPCM
	Display Resolution	D1:704×576(PAL) 704×480 (NTSC)
	Record Resolution	D1/HD1/CIF
	Record Total Frame rate	PAL：100 fps @D1, 200 fps @HD1, 400 fps @CIF NTSC：120 fps @D1, 240 fps @HD1, 480 fps @CIF
	Video System	NTSC / PAL(Optional)
Record	Record Mode	Always, Scheduled, motion, Alarm, Net-viewer record.
	Pack Time	15/30/45/60 min (adjustable)
	Playback Mode	Normal play, Fast Forward, Rewind and slow play frame by frame.
	Backup Function	Support USB flash disk, removable HDD, recorder and network backup
Alarm	Alarm mode	Motion Detection, Sensor triggered, Video Loss, HDD Full, HDD Error
Network	Network Function	Support Mobile surveillance, Remote Live surveillance and parameter setting.
	Network Protocol	Supports TCP/IP, DHCP, DDNS, PPPOE network Protocol
System Interface	Video input/output	16 CH Input/2 CH Output, 1 CH VGA output (, 1-CH HDMI output (optional))
	Audio input/output	16 CH Input / 2 CH Output
	Alarm input/output	16 CH Input/1 CH Output
	HDD Interface	Support SATA HDD
	Network Interface	One RJ-45 10M/100M/1000M self-adaptable Ethernet interface
	USB Interface	Support Mouse, removable HDD and USB flash disk backup and upgrade.
	PTZ Control	Embedded RS-485 port / supports PELCO-P & PELCO-D protocol.
General Parameter	Power Adapter	DC 12V 5A
	Operational Temperature	10℃~+40℃
	Operational Humidity	10%~90%
	Power Consumption	10-15 W (Exclude HDD)
	Dimension (W x D x H)	430×380×70mm（L×W×H）

Chapter 8: Appendix

8.1 Operation Function Table

Type	Title	Description	Page
Basic setting	Time setting	Set system date/time, display format and day-light saving time	26
	Language select	Set system language	27
	Channel setting	Set CH title and position; adjust image color parameter value; set CH display to ON / Off and time display/recording time overlaying to On/Off.	9
	Record setting	Set image quality, resolution, volume, record mode an pack time	10
	Record search	Time based search, channel based search and rec. mode based search.	12
	Record Playback	Specified time playback, scheduled playback, file list playback	12
	Playback mode	Play, play frame by frame, multi-speed forward and multi-speed rewind	13
	File backup	USB flash disk and removable HDD backup, DVD recorder backup and network download	13
	HDD Manage	Check HDD status, usage space, setting HDD auto-overwrite	15
	VID Setting	Adjust VGA resolution, select system and volume control, set interval and channel display	26
Advanced Setting	User password	Set or modify user password	26
	Alarm setting	Set HDD loss, HDD space, video loss, I/O status, alarm management and Email alarm	15
	Motion detection	Set on/off status of MD; select sensitivity and set motion detection area.	25
	PTZ setting	Select CH and set PTZ protocol, baud rate and PTZ address for the CH	19
	Mobile surveillance	Set user name, password and server port.	19
	System maintenance	Set system auto maintenance, maintenance time regularly, system upgrade, ex-factory default value recovery and manual restart system	27
	Display mode	PIP display, Zoom in/out, split mode, auto sequence and cruise display	
Network setting	Network and Port setting	Select network mode and set net-viewer port, web port, DNS and DDNS parameters.	10
Network Function	Live display	Real-time video surveillance remotely	32

	Remote record	Set record mode and status of DVR remotely		32
	Remote playback	Check local record history via network		32
	PTZ control	Remotely control PTZ camera, position, focus, zoom and iris etc.		37
	parameter set of DVR remotely	Set local CH display, record, alarm, PTZ control parameter value via network		32
	Network download	Backup record file via network		32
Auxiliary function	System info	Check device ID, software version and MAC address		27
Menu button	Enter	Clicking the button will save current parameter.		
	Default Recovery	Clicking the button will recover current parameters to system defaulted value.	Be effective after clicking [Enter] button	
	ESC	Clicking the button will exit the current menu.		
Basic application Guide	①Time setting	Adjust system time		26
	②HDD Manage	Format HDD	Be effective after restart.	15
	③Net setting	Set network type and web port (except of PPPoE, other type need forward web port to router of DVR.	Be effective after restart.	10
	④System Info	Modify MAC address		27
	⑤Mobile Monitoring	Set relative parameter		19
	Other	PTZ setting, Record set and Language select etc		

List 8-1

8.2 Record Alarm setting

Please refer the below matrix: "⊥" stand for "only alarm but no record"; "AMR" stand for "alarm record"; "NLR" stand for "normal record"; and "NOR" stand for " no record". Once alarm is triggered, alarm icon will occur, and when many alarms are triggered, alarm remarks will occur on the screen.

Record alarm setting		Alarm icon	Record Mode				
			Record after power on	Scheduled recording			Manual Record
				AMR	NLR	NOR	
Alarm mode	MD alarm	M	AMR	AMR	NLR	⊥	NLR
	I/O triggered alarm	I	AMR	AMR	NLR	⊥	NLR
	HDD loss, HDD Full	H	⊥	⊥	⊥	⊥	⊥
	Video Loss	Video Loss	⊥	⊥	⊥	⊥	⊥

List 8-2

In the record mode, [R] icon or [M] icon will appear on the screen. But when [I] icon and [M] icon appear on the

screen that means a motion alarm is triggered. When [H] icon appears on the screen, that means HDD alarm has occurred.

8.3 Mail box server List

Web site	Mail box	Sender server（25）	Receiver server（110）
www.163.com	@163.com	smtp.163.com	pop3.163.com
	@vip.163.com	smtp.vip.163.com	pop.vip.163.com
	@188.com	smtp.188.com	pop.188.com
	@126.com	smtp.126.com	pop3.126.com
	@netease.com	smtp.netease.com	pop.netease.com
	@yeah.net	smtp.yeah.net	pop.netease.com
www.qq.com	@qq.com	smtp.qq.com	pop.qq.com
163.net		smtp.163vip.net	popx.163vip.net
www.sina.com	@sina.com.cn	smtp.sina.com.cn	pop3.sina.com.cn
www.yahoo.com	@yahoo.com.cn	smtp.mail.yahoo.com.cn	pop.mail.yahoo.com.cn
	@yahoo.com	smtp.mail.yahoo.com	pop.mail.yahoo.com
google.com	@gmail.com	smtp.gmail.com(465/587)	pop.gmail.com(995)
www.china.com	@china.com	smtp.china.com	pop.china.com
www.sohu.com	@sohu.com	smtp.sohu.com	pop.sohu.com
Mail.163.com		smtp.163.net	pop.163.net
Mail.163vip.com		smtp.163vip.net	pop.163vip.net
Mail.tom.com	@tom.com	smtp.tom.com	pop.tom.com
Mail.263.com	@263.net	smtp.263.net	pop3.263.net
x263.net		smtp.x263.net	pop.x263.net
263.net.cn		smtp.263.net.cn	pop.263.net.cn
139 mail box	@139.com	smtp.139.com	pop.139.com
21cn.com		smtp.21cn.com	pop.21cn.com
Vip.21cn.com		vip.21cn.com	vip.21cn.com
etang.com		smtp.etang.com	pop.etang.com
elong.com		smtp.elong.com	pop3.elong.com

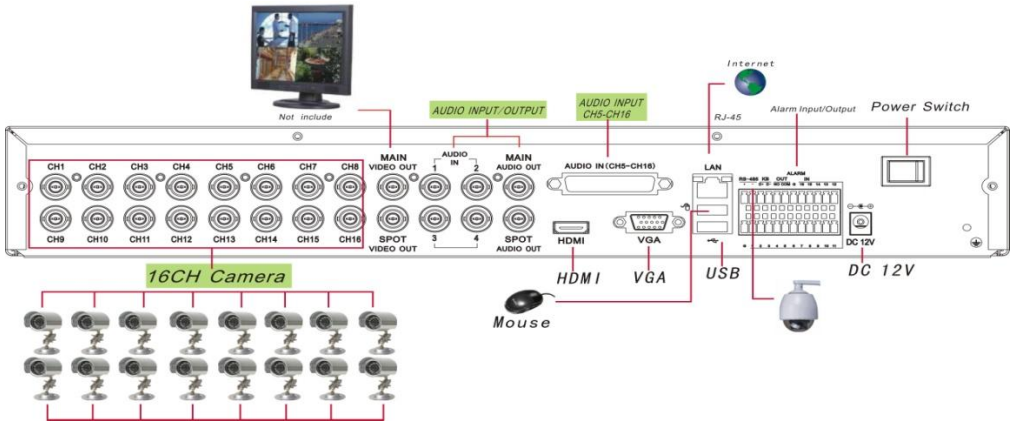
List 8-3

8.4 Troubleshooting

1. Q: What can I do if the system does not detect the HDD?
   A: Check if the power supply system is properly connected and data cord and power cables are securely connected.
2. Q: We have changed the password but do not remember the new password, how can we access the system?
   A: If you forget system password, please consult with the service personnel.
3. Q: We are not getting any video signal on the DVR, what is wrong?
   A: Check camera video cable and connections; or check monitor video cable and connections; or confirm that the camera has the power and / or check camera lens setting.
4. Q: Why some channels display just a blank screen even if they receive video sources?
   A: Check if the camera is connected to the system properly displays the image; check if the camera is properly supplied with power.
5. Q: Does the DVR have problems if it gets too hot, how can I prevent this?
   A: The DVR has a fan to help it dissipate heat while it is running. Please place the DVR in a place where there is good air circulation and away from heat sources to increase stability and life of the DVR.

6. Q: “Record” cannot work normally, how to deal with?
   A: Check if the current screen is in Play mode, pressing [Stop] button to exit the Play mode and then you can enter into the [Record] function.
7. Q: Why the Remote Controller can’t work normally?
   A: Check if the battery is power off; or check if the Remote Controller is broken.
8. Q: Can we record whilst playing-back?
   A: Yeah, you can do it. The system supports to record whilst playing-back.
9. Q: Can we erase some recorded files from DVR.
   A: Considering the safety factor, you can’t delete the recorded file directly from the device. When you actually want to erase all the recorded files, please select HDD format function.
10. Q: Why does the Buzzer keep sounding?
    A: Please check if motion detection is on and the system has detected motion, make sure the HDD is being detected and has sufficient space available; check if video has lost etc.
11. Q: Why can’t I stop [Stop] function?
    A: Pressing [Stop] button only can stop manual record. If you want to stop Scheduled record, please revise to [No Record] during this period.

8.5 System Configuration



8.6 Accessory

☐ **Power Cord**

☐ **Power Supply**

☐ **User Manual**

☐ **USB Mouse**

☐ **Remote Controller**

☐ **Software CD**

The material in this document is the intellectual property of our department .

- No part of this manual may be reproduced, copied, translated, transmitted, or published in any form or by any means without our department prior written permission.
- Our products are under continual improvement and we reserve the right to make changes without notice. But no guarantee is given as to the correctness of its contents.
- We do not undertake any responsibility for the harms cause by using our product.
- The model of the products in the user's manual only for recognition, but these names also perhaps are belong to other company's registered trademark or the copyright.
- The product picture may differ from the actual product, only for your reference. The accessories will probably be different according to the different selling areas. For details of accessories, please refer to your local distributor.

Copyright reserved